

# Izvedba Android mobilne aplikacije s primjenom lokacijskih servisa

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# Sveučilište Sjever

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## **Izvedba Android mobilne aplikacije s primjenom lokacijskih servisa**

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# Prilog

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## Web stranica za prikaz prijava index.php

```
1 <?php
1 session_start();
2 require "spoj.php";
3 $spoj->set_charset('utf8');
4 if(isset($_SESSION["prijavljen"]) && $_SESSION["prijavljen"] === true){
5     header("Location: lista.php");
6 }
7 if(isset($_POST['korime']) && isset($_POST['pass'])){
8     $korisnicko_ime = $_POST["korime"];
9     $lozinka = $_POST["pass"];
10    $mysql_upit = "select id, admin from korisnik where korisnicko_ime "
11                . " = '$korisnicko_ime' and lozinka = '$lozinka'";
12    $rezultat = mysqli_query($spoj, $mysql_upit);
13    $row = mysqli_fetch_row($rezultat);
14    if(mysqli_num_rows($rezultat) > 0) {
15        $_SESSION["id"] = $row[0];
16        $_SESSION["prijavljen"] = true;
17        $_SESSION["admin"] = $row[1];
18        header("Location: lista.php");
19    }
20 }
21 ?>
22 <html lang="hr-HR">
23 <head>
24 <meta charset="UTF-8"/>
25 <title>Prijava u sustav</title>
26 <link rel="stylesheet"
27 href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
28 <style type="text/css">
29     body{ font: 14px sans-serif; }
30     .wrapper{ width: 350px; padding: 20px; }
31 </style>
32 </head>
33 <header style="color:blue;">
34 <h1 style="font-size:50px;" align="center">Stranica za pregled prijava</h1>
35 </header>
36 <div align="center">
37 <body>
38 <div class="wrapper">
39 <h2>Prijava u sustav</h2>
40 <form method="post">
41 <div class="form-group">
42 <label>Korisničko ime</label>
43 <input type="text" name="korime" class="form-control">
44 </div>
45 <div class="form-group">
46 <label>Lozinka</label>
47 <input type="password" name="pass" class="form-control">
48 </div>
49 <div class="form-group">
50 <input type="submit" class="btn btn-primary"
51 value="Prijava">
52 </div>
53 </form>
54 </div>
55 </body>
56 </div>
57 </html>
```

## lista.php

```
1 <html lang="hr-HR">
2 <head>
3 <meta charset="UTF-8"/>
```

```

4     <title>Popis prijava</title>
5     <link rel="stylesheet" href=
6         "https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
7     <style type="text/css">
8         body{ font: 14px sans-serif; }
9         .wrapper{ width: 350px; padding: 20px; }
10    </style>
11 </head>
12 <body>
13     <div>
14         <button type="button" class="btn btn-warning btn-md" name="Odjava"
15             align="right" onclick="odjava()">Odjava</button>
16     </div>
17 </body>
18 </html>
19 <?php
20 session_start();
21 require "spoj.php";
22 $spoj->set_charset('utf8');
23 if(!isset($_SESSION["prijavljen"]) && $_SESSION["prijavljeno"] === true){
24     header("Location: index.php");
25 }
26 else {
27     $id = $_SESSION["id"][0];
28     $admin = $_SESSION["admin"][0];
29     $mysql_upit1 = "SELECT datum, id_prijave, id_korisnik FROM `prijave` "
30         . "WHERE id_korisnik = '$id' ORDER BY id_korisnik;";
31     $mysql_upit2 = "SELECT datum, id_prijave, id_korisnik FROM `prijave` ORDER "
32         . "BY id_korisnik;";
33     if($admin==0){$rezultat1 = mysqli_query($spoj, $mysql_upit1);}
34     else{$rezultat1 = mysqli_query($spoj, $mysql_upit2);}
35     $row1 = mysqli_fetch_all($rezultat1);
36     $server_ip = gethostbyname(gethostname());
37     $tablica = "<script>function odjava(){window.location.href "
38         . "='http://".$server_ip."/zavrsnirad/odjava.php';}"
39         . "function prikaz(id_pr, id_kor) {var pom1 = id_pr.toString();"
40         . "var pom2 = id_kor.toString();var str = 'http://".$server_ip."/";
41         . "zavrsnirad/prikaz.php?id_pr='+pom1+'&id_kor='+pom2;window.open "
42         . "(str, '_top');}</script>";
43     if($rezultat1 == true) {
44         $tablica .= "<table class='table table-striped' align='center'><thead>"
45             . "<tr><th>Popis prijava</th><th></th></thead><thead><tr><th>"
46             . "Datum prijave</th><th></th></thead><tbody>";
47         if(empty($row1)){
48             $tablica = "<script>function odjava(){window.location.href "
49                 . "='http://".$server_ip."/zavrsnirad/odjava.php';}"
50                 . "</script><h2 align='center'>Nemate prijava.</h2>";
51             echo $tablica;}
52         else{
53             for($i = 0; $i < sizeof($row1); $i++){
54                 $str1 = $row1[$i][0];
55                 $str2 = $row1[$i][1];
56                 $str3 = $row1[$i][2];
57                 $mysql_upit3 = "SELECT korisnicko_ime, ime, prezime, oib "
58                     . "FROM `korisnik` WHERE id = '$str3';";
59                 $rezultat1 = mysqli_query($spoj, $mysql_upit3);
60                 $row2 = mysqli_fetch_row($rezultat1);
61                 $str4 = $row2[0];
62                 $str5 = $row2[1];
63                 $str6 = $row2[2];
64                 $str7 = $row2[3];
65                 if($str3=="0"){
66                     $tablica .= "<tr class='clickable-row' onclick='prikaz"
67                         . "('$str2','$str3')><td>Prijava: $str1"
68                         . "</td><td>Korisnik: anonim</td>";
69                 }
70                 else{
71                     $tablica .= "<tr class='clickable-row' onclick='prikaz"
72                         . "('$str2','$str3')><td>Prijava: $str1"
73                         . "</td><td>Korisnik: $str4 Ime i prezime: "

```

```

74         . "$str5 $str6 OIB: $str7</tr>";
75     }
76 }
77 $stablica .= "</tbody></table>";
78 echo $stablica;
79 }
80 }
81 $spoj->close();
82 }
83 ?>

```

## prikaz.php

```

1 <html lang="hr-HR">
2 <head>
3     <meta charset="UTF-8"/>
4     <title>Prijava</title>
5     <link rel="stylesheet" href=
6         "https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
7     <style type="text/css">
8         body{ font: 14px sans-serif; }
9         .wrapper{ width: 350px; padding: 20px; }
10    </style>
11 </head>
12 </html>
13 <?php
14 session_start();
15 require "spoj.php";
16 $spoj->set_charset('utf8');
17 $server_ip = gethostbyname(gethostname());
18 $id_pr = $_GET["id_pr"];
19 $id_kor = $_GET["id_kor"];
20 $admin = $_SESSION["admin"][0];
21 $mysql_upit1 = "SELECT * FROM `prijave` WHERE id_prijave = '$id_pr'";
22 $rezultat1 = mysqli_query($spoj, $mysql_upit1);
23 $row1 = mysqli_fetch_row($rezultat1);
24 $mysql_upit3 = "SELECT korisnicko_ime, ime, prezime, oib FROM `korisnik` WHERE "
25     . "id = '$id_kor'";
26 $rezultat3 = mysqli_query($spoj, $mysql_upit3);
27 $row3 = mysqli_fetch_row($rezultat3);
28 if($rezultat1 == TRUE) {
29     $stablica = "";
30     if($admin==1){
31         $stablica .= "<script>function odgovor(id_pr){var pom1 = id_pr.toString"
32             . "();var por = document.getElementById('odg').value;var xhttp"
33             . " = new XMLHttpRequest();xhttp.onreadystatechange = function"
34             . " () {if (this.readyState == 4 && this.status == 200) {if(this"
35             . ".responseText=='uspjeh_odgovor'){alert('Odgovor je poslan!')} "
36             . "};}};xhttp.open('GET', 'http://".$server_ip."/zavrsnirad/"
37             . "admin.php?tip=odgovor&id_pr="+pom1+"&por="+por, true);"
38             . "xhttp.send();}</script>";
39         $stablica .= "<script>function brisi(id_pr) {if (confirm('Da li "
40             . "želite izbrisati?')){var pom1 = id_pr.toString();var "
41             . " xhttp = new XMLHttpRequest();xhttp.onreadystatechange = "
42             . "function() {if (this.readyState == 4 && this.status == 200) "
43             . "{if(this.responseText=='uspjeh_brisanje'){window.location."
44             . "href ='http://".$server_ip."/zavrsnirad/lista.php'}};}"
45             . " xhttp.open('GET', 'http://".$server_ip."/zavrsnirad/admin."
46             . "php?tip=brisi&id_pr="+pom1, true);xhttp.send();}else{}}"
47             . "</script>";
48         $stablica .= "<script>function odjava(){window.location.href "
49             . "= 'http://".$server_ip."/zavrsnirad/odjava.php';}"
50             . ""
51             . "</script>";
52         $stablica .= "<body><div><button type='button' class='btn btn-danger"
53             . " btn-md' id = 'brisi' name='brisi' align='right' onclick='brisi"
54             . (".$id_pr.") '>Brisanje</button><button type='button'"
55             . " class='btn btn-warning btn-md' name='Odjava' align='right'"
56             . " onclick='odjava()' >Odjava</button></div></body>";
57     }
58     else{

```

```

59     $stablica .= "<script>function odjava(){window.location.href
60         = 'http://".$server_ip."/zavrsnirad/odjava.php';}</script>";
61     $stablica .= "<body><div><button type='button' class='btn btn-warning "
62         . "btn-md' name='Odjava' align='right' onclick='odjava()'>"
63         . "Odjava</button></div></body>";
64 }
65 $stablica_s = "";
66 $pad = "";
67 $stablica .= "<table class='table table-striped' align='center'>"
68     . "<thead></thead><tbody>";
69 if($row1[9] == "da"){
70     $mysql_upit2 = "SELECT slika_add FROM slike WHERE id_prijenos = "
71         . "'$id_pr'";
72     $rezultat2 = mysqli_query($spoj, $mysql_upit2);
73     $row2 = mysqli_fetch_all($rezultat2);
74     if($rezultat2 == TRUE) {
75         for($i = 0; $i < sizeof($row2); $i++){
76             $url = "http://".$server_ip."/zavrsnirad/slike/"
77                 . $row2[$i][0]."";
78             $pad .= "<td></td>";
79             $stablica_s .= "<td><img src='".$url.'" alt='Trulli' "
80                 . "width='500' height='300'></td>";
81         }
82         $stablica .= "<tr><td>Slike</td>".$pad."</tr><tr>$stablica_s</tr>";
83     }
84 }
85 if($id_kor==0){
86     $stablica .= "<tr><td>Prijavio</td><td>anoniman korisnik</td>".$pad.""
87         . "</tr><tr>";
88 }
89 else{
90     $stablica .= "<tr><td>Prijavio</td><td>Korisnik: ".$row3[0]. " "
91         . "Ime i prezime: ".$row3[1]. " ".$row3[2]. " OIB: ".$row3[3].""
92         . "</td>".$pad."</tr>";
93 }
94 $stablica .= "<tr><td>Vrijeme prijave</td><td>".$row1[3]."</td>".$pad."</tr>"
95     . "<tr><td>Koordinate prijave</td><td>".$row1[4]. " "
96     . " ".$row1[5]."</td>".$pad.""
97     . "<tr><td>Adresa prijave</td><td>".$row1[6]. " "
98     . " ".$row1[7]."</td>".$pad.""
99     . "<tr><td>Tekst prijave</td><td>".$row1[8]."</td>".$pad."</tr>";
100 if($admin==1){
101     $stablica .= "<tr><td>Odgovor administratora</td><td><textarea id = "
102         . "'odg' rows='10' cols='50'>".$row1[10]."</textarea></td>"
103         . " ".$pad."</tr><tr><td></td><td><button type='button' class="
104         . "'btn btn-primary btn-md' name='Odgovor' align='right' "
105         . "onclick='odgovor(\".$id_pr.\")'>Odgovor</button></td>".$pad.""
106         . "</tr></tbody></table>";
107     echo $stablica;
108 }
109 else{
110     $stablica .= "<tr><td>Odgovor administratora</td><td>".$row1[10]."</td>"
111         . " ".$pad."</tr></tbody></table>";
112     echo $stablica;
113 }
114 }
115 $spoj->close();
116 ?>

```

## odajva.php

```

1 <?php
2 require "spoj.php";
3 $spoj->set_charset('utf8');
4 $tip = isset($_GET['tip']) ? $_GET['tip'] : '';
5 $id_pr = isset($_GET['id_pr']) ? $_GET['id_pr'] : '';
6 $por = isset($_GET['por']) ? $_GET['por'] : '';
7 if($tip=="brisi"){
8     $mysql_upit1 = "SELECT `ima_slika`FROM `prijave` WHERE id_prijave = "
9         . "'$id_pr'";
10     $rezultat1 = mysqli_query($spoj, $mysql_upit1);

```

```

11 $row1 = mysqli_fetch_all($rezultat1);
12 if($row1[0][0] == "da"){
13     $mysql_upit2 = "SELECT `slika_add` FROM `slike` WHERE id_prijenos = '"
14         . "$id_pr'";
15     $rezultat2 = mysqli_query($spoj, $mysql_upit2);
16     $row2 = mysqli_fetch_all($rezultat2);
17     for($i = 0; $i < sizeof($row2); $i++){
18         $put = "slike/".$row2[$i][0]."";
19         unlink($put);
20     }
21     $mysql_upit3 = "DELETE FROM `slike` WHERE id_prijenos = '$id_pr'";
22     $rezultat3 = mysqli_query($spoj, $mysql_upit3);
23 }
24 $mysql_upit4 = "DELETE FROM `prijave` WHERE id_prijave = '$id_pr'";
25 $rezultat4 = mysqli_query($spoj, $mysql_upit4);
26 if($rezultat4 == true) {echo "uspjeh_brisanje";}
27 $spoj->close();
28 }
29 if($tip=="odgovor"){
30     $mysql_upit1 = "UPDATE `prijave` SET `odgovor` = '$por' WHERE "
31         . "`prijave`.`id_prijave` = '$id_pr'";
32     $rezultat1 = mysqli_query($spoj, $mysql_upit1);
33     if($rezultat1 == true) {
34         echo "uspjeh_odgovor";
35     }
36     $spoj->close();
37 }
38 ?>

```

## admin.php

```

1 <?php
2 session_start();
3 $_SESSION = array();
4 session_destroy();
5 header("Location: index.php");
6 ?>

```

## spoj.php

```

1 <?php
2 define('HOST','localhost');
3 define('USER','root');
4 define('PASS','');
5 define('DB','Zavrsni_rad');
6 $spoj = mysqli_connect(HOST,USER,PASS,DB);
7 ?>

```

## PHP skripte za povezivanje Android aplikacije i web aplikacije login.php skripta

```

1 <?php
2 require "spoj.php";
3 $spoj->set_charset('utf8');
4 $korisnicko_ime = $_POST["korisnicko_ime"];
5 $lozinka = $_POST["lozinka"];
6 $mysql_upit = "select * from korisnik where korisnicko_ime = '"
7     . "$korisnicko_ime' and lozinka = '$lozinka'";
8 $rezultat = mysqli_query($spoj, $mysql_upit);
9 $row = mysqli_fetch_row($rezultat);
10 if(mysqli_num_rows($rezultat) > 0) {
11     $str = json_encode($row);
12     $string = "uspjesno_login//$str";
13     echo $string;
14 }
15 else {
16     echo "neuspjesno_login";
17 }
18 ?>

```



## registracija.php skripta

```
1 <?php
2 require "spoj.php";
3 $spoj->set_charset('utf8');
4 $ime = $_POST["ime"];
5 $prezime = $_POST["prezime"];
6 $oib = $_POST["oib"];
7 $korisnicko_ime = $_POST["korisnicko_ime"];
8 $lozinka = $_POST["lozinka"];
9 $mysql_upit = "INSERT INTO `korisnik` (`id`, `oib`, `ime`, `prezime`, "
10     . "`korisnicko_ime`, `lozinka`) "
11     . "VALUES (NULL, '$oib', '$ime', '$prezime', '$korisnicko_ime', "
12     . "'$lozinka');";
13 $rezultat = mysqli_query($spoj, $mysql_upit);
14 if($rezultat === TRUE) {
15     echo "uspjesno_reg";
16 }
17 else {
18     echo "neuspjesno_reg";
19 }
20 $spoj->close();
21 ?>
```

## promjena.php skripta

```
1 <?php
2 require "spoj.php";
3 $spoj->set_charset('utf8');
4 $tip = $_POST["tip"];
5 if($tip=="promjena"){
6     $id = $_POST["id"];
7     $ime = $_POST["ime"];
8     $prezime = $_POST["prezime"];
9     $oib = $_POST["oib"];
10    $korisnicko_ime = $_POST["korisnicko_ime"];
11    $lozinka = $_POST["lozinka"];
12    $mysql_upit1 = "UPDATE `korisnik` SET `oib` = '$oib', `ime` = '$ime', "
13        . "`prezime` = '$prezime', `korisnicko_ime` = '$korisnicko_ime', "
14        . "`lozinka` = '$lozinka' WHERE `korisnik`.`id` = $id;";
15    $mysql_upit2 = "select * from korisnik where id = '$id';";
16    $rezultat1 = mysqli_query($spoj, $mysql_upit1);
17    $rezultat2 = mysqli_query($spoj, $mysql_upit2);
18    $row = mysqli_fetch_row($rezultat2);
19    if($rezultat1 === TRUE) {
20        $str = json_encode($row);
21        $string = "uspjesno_promjena//$str";
22        echo $string;
23    }
24    else {
25        echo "neuspjesno_promjena";
26    }
27    $spoj->close();
28 }
29 if($tip=="brisanje"){
30     $id = $_POST["id"];
31     $mysql_upit = "DELETE FROM `korisnik` WHERE `korisnik`.`id` = $id";
32     $rezultat = mysqli_query($spoj, $mysql_upit);
33     if($rezultat === TRUE) {
34         echo "uspjesno_brisanje";
35     }
36     else {
37         echo "neuspjesno_brisanje";
38     }
39     $spoj->close();
40 }
41 ?>
```

## prijava.php skripta

```

1 <?php
2 require "spoj.php";
3 $spoj->set_charset('utf8');
4 $anon = $_POST["anon"];
5 $korisnik_id = $_POST["korisnik_id"];
6 $latituda = $_POST["latituda"];
7 $longituda = $_POST["longituda"];
8 $adresa = $_POST["adresa"];
9 $zupanija = $_POST["zupanija"];
10 $poruka = $_POST["poruka"];
11 $datum = $_POST["datum"];
12 $ima_slika = $_POST["ima_slika"];
13 $ip_usr = $_SERVER['REMOTE_ADDR'];
14 $mysql_upit1 = "INSERT INTO `prijave` (`id_prijave`, `anon`, `id_korisnik`, "
15     . "`datum`, `latituda`, `longituda`, `adresa`, `zupanija`, `poruka`, "
16     . "`ima_slika`, `odgovor`, `ip_korisnik`) VALUES (NULL, '$anon', "
17     . "'$korisnik_id', '$datum', '$latituda', '$longituda', '$adresa', "
18     . "'$zupanija', '$poruka', '$ima_slika', '', '$ip_usr');";
19 $rezultat1 = mysqli_query($spoj, $mysql_upit1);
20 $id_prijave = getIDprijave();
21 $mysql_upit2 = "select * from prijava where id_prijave = '$id_prijave';";
22 $rezultat2 = mysqli_query($spoj, $mysql_upit2);
23 $row = mysqli_fetch_row($rezultat2);
24 if($rezultat1 == TRUE) {
25     $str = json_encode($row);
26     $string = "uspjesno_prijava//$str";
27     echo $string;
28 }
29 else {
30     echo "neuspjesno_prijava";
31 }
32 $spoj->close();
33 function getIDprijave(){
34     $spoj = mysqli_connect(HOST,USER,PASS,DB);
35     $sql = "SELECT max(id_prijave) as id_prijave FROM prijava";
36     $result2 = mysqli_fetch_array(mysqli_query($spoj,$sql));
37     mysqli_close($spoj);
38     return $result2['id_prijave'];
39 }
40 ?>

```

## slike.php skripta

```

1 <?php
2 require "spoj.php";
3 $spoj->set_charset('utf8');
4 if(isset($_POST["slika_str"])){
5     $slika_str = $_POST["slika_str"];
6     $ime = $_POST["ime"].getBrojSlike().".jpg";
7     $id_prijenos = $_POST["id_prijenos"];
8     $dekodirani_string = base64_decode($slika_str);
9     $add = 'slike/'.$ime;
10    $server_ip = gethostbyname(gethostname());
11    $file = fopen($add, 'wb');
12    $gotovo = fwrite($file, $dekodirani_string);
13    fclose($file);
14    if($gotovo > 0) {
15        $mysql_upit1 = "INSERT INTO `slike` (`id_slika`, `id_prijenos`, "
16            . "`slika_add`) VALUES (NULL, '$id_prijenos', '$ime');";
17        $rez = mysqli_query($spoj, $mysql_upit1);
18        if($rez){
19            echo "uspjesno_slika";
20        }else{
21            echo "neuspjesno_slika";
22        }
23        mysqli_close($spoj);
24    }
25 }
26 function getBrojSlike(){
27     $spoj = mysqli_connect('localhost', 'root', '', 'zavrsni_rad');
28     $mysql_upit2 = "SELECT max(id_slika) as id_slika FROM slike";

```

```

29         $rez = mysqli_fetch_array(mysqli_query($spoj,$mysql_upit2));
30         mysqli_close($spoj);
31         if($rez['id_slika']==null){return 1;}
32         else{return ++$rez['id_slika'];}
33     }
34 ?>

```

## dohvat.php skripta

```

1  <?php
2  require "spoj.php";
3  $spoj->set_charset('utf8');
4  $server_ip = gethostbyname(gethostname());
5  $tip = $_POST["tip"];
6  if($tip=="dohvat_lista"){
7      $id = $_POST["id"];
8      $mysql_upit1 = "SELECT `id_prijave`, `anon`, `id_korisnik`, `datum`, "
9                    . "`latituda`, `longituda`, `adresa`, `zupanija`, `poruka`, "
10                   . "`ima_slika`, `odgovor` FROM `prijave` "
11                   . "WHERE id_korisnik = '$id'";
12  $rezultat1 = mysqli_query($spoj, $mysql_upit1);
13  $row1 = mysqli_fetch_all($rezultat1);
14  if($rezultat1 == TRUE) {
15      $str1 = json_encode($row1);
16      $str1 = "uspjesno_dohvat_lista//$str1";
17      echo $str1;
18  }
19  else {
20      echo "neuspjesno_dohvat_lista//";
21  }
22  $spoj->close();
23  }
24  if($tip=="dohvat_slika"){
25      $id = $_POST["id"];
26      $mysql_upit2 = "SELECT slika_add FROM slike WHERE id_prijenos = '$id'";
27      $rezultat2 = mysqli_query($spoj, $mysql_upit2);
28      $row1 = mysqli_fetch_all($rezultat2);
29      if($rezultat2 == TRUE) {
30          for($i = 0; $i < sizeof($row1); $i++){
31              $str3 = $row1[$i][0];
32              if($i == 0){$str2 = "["; }
33              $str2 .= '["http:\\\\'. $server_ip. '\\zavrnsnirad\\slike\\'. $str3. '"]';
34              if($i != (sizeof($row1)-1)){ $str2 .= ","; }
35              if($i == (sizeof($row1)-1)){ $str2 .= "]" ; }
36          }
37          $str1 = "uspjesno_dohvat_slika//$str2";
38          echo $str1;
39      }
40      else {
41          echo "neuspjesno_dohvat_slika//";
42      }
43      $spoj->close();
44  }
45  ?>

```

## Java razredi mobilne aplikacije

### Login\_Activity.java

```

1  package com.unin.kl.zavrnsni_rad_kl;
2  import androidx.appcompat.app.AppCompatActivity;
3  import android.content.Intent;
4  import android.os.Bundle;
5  import android.view.Menu;
6  import android.view.MenuItem;
7  import android.view.View;
8  import android.widget.Button;
9  import android.widget.EditText;
10 public class Login_Activity extends AppCompatActivity {
11     EditText et_pas, et_usr;
12     String username, password;

```

```

13 Button breg, bpri, banon, bpov;
14 Menu menu;
15 @Override
16 protected void onCreate(Bundle savedInstanceState) {
17     super.onCreate(savedInstanceState);
18     setContentView(R.layout.activity_login);
19     getSupportActionBar().setTitle("Prijava u sustav");
20     et_pas = (EditText) findViewById(R.id.et_pass);
21     et_usr = (EditText) findViewById(R.id.et_user);
22     bpri = findViewById(R.id.btn_prijava);
23     breg = findViewById(R.id.btn_reg);
24     banon = findViewById(R.id.btn_anon);
25     bpov = findViewById(R.id.btn_pov);
26     prijavljeno_set();
27 }
28 public void klikLogin(View v){
29     if(((Varijable) this.getApplication()).getVar_log().equals("ne")){
30         prijavljeno_set();
31         prijava();
32     }if(((Varijable) this.getApplication()).getVar_log().equals("da")){
33         username = et_usr.getText().toString();
34         password = et_pas.getText().toString();
35         String tip = "login";
36         Konektor konektor = new Konektor(this);
37         konektor.execute(tip, username, password);
38     }
39 }
40 public void klikAnon(View v){
41     ((Varijable) this.getApplicationContext()).setVar_anon("da");
42     Intent inte= new Intent(Login_Activity.this, Prijava_Activity.class);
43     startActivity(inte);
44 }
45 public void klikReg(View v){
46     Intent inte = new Intent(Login_Activity.this, Registracija_Activity.class);
47     startActivity(inte);
48 }
49 @Override
50 public boolean onCreateOptionsMenu(Menu menu) {
51     this.menu = menu;
52     getMenuInflater().inflate(R.menu.menu_glavna__login, menu);
53     MenuItem odjava = menu.findItem(R.id.odjava1);
54     MenuItem povijest = menu.findItem(R.id.povijest1);
55     if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
56         odjava.setVisible(true);
57         povijest.setVisible(true);
58     }else {
59         odjava.setVisible(false);
60         povijest.setVisible(false);
61     }
62     return true;
63 }
64 @Override
65 public boolean onOptionsItemSelected(MenuItem item) {
66     int id = item.getItemId();
67     if (id == R.id.oprog) {
68         Intent inte= new Intent(Login_Activity.this, Oprog_Activity.class);
69         startActivity(inte);
70         finish();
71     }
72     if (id == R.id.lok || id == R.id.lok2) {
73         Intent inte= new Intent(Login_Activity.this,
74 Lokacije_Glavna_Activity.class);
75         startActivity(inte);
76         finish();
77     }
78     if (id == R.id.postavke) {
79         Intent inte= new Intent(Login_Activity.this, Postavke_Activity.class);
80         startActivity(inte);
81         finish();
82     }

```

```

82     if (id == R.id.odjava1) {
83         if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
84             ((Varijable) this.getApplication()).setVar_log("da");
85             ((Varijable) this.getApplicationContext()).setVar_user(0);
86             ((Varijable) this.getApplicationContext()).setVar_ime("");
87             ((Varijable) this.getApplicationContext()).setVar_prezime("");
88             ((Varijable) this.getApplicationContext()).setVar_oib("");
89             ((Varijable)
90 this.getApplicationContext()).setVar_korisnicko_ime("");
91             ((Varijable) this.getApplicationContext()).setVar_lozinka("");
92             Intent inte = new Intent(Login_Activity.this,
93 Login_Activity.class);
94             startActivity(inte);
95             finish();
96         }
97     }
98     if(id == R.id.povijest1){
99         pov();
100    }
101    return super.onOptionsItemSelected(item);
102 }
103 public void prijava(){
104     Intent inte = new Intent(Login_Activity.this, Prijava_Activity.class);
105     startActivity(inte);
106 }
107 public void prijavljeno_set(){
108     if(((Varijable) this.getApplication()).getVar_log().equals("ne")){
109         invalidateOptionsMenu();
110         breg.setVisibility(View.INVISIBLE);
111         et_pas.setVisibility(View.INVISIBLE);
112         et_usr.setVisibility(View.INVISIBLE);
113         bpov.setVisibility(View.VISIBLE);
114     }
115     else{
116         bpov.setVisibility(View.INVISIBLE);
117     }
118 }
119 public void klikPov(View v){ pov(); }
120 public void pov(){
121     Intent inte= new Intent(Login_Activity.this, PovPrijava_Activity.class);
122     startActivity(inte);
123 }
124 @Override
125 public void onResume() {
126     super.onResume();
127     invalidateOptionsMenu();
128 }
129 }

```

## Registracija\_Activity.java

```

1 package com.unin.kl.zavrzni_rad_kl;
2 import androidx.appcompat.app.AppCompatActivity;
3 import android.content.Intent;
4 import android.os.Bundle;
5 import android.view.Menu;
6 import android.view.MenuItem;
7 import android.view.View;
8 import android.widget.Button;
9 import android.widget.CheckBox;
10 import android.widget.EditText;
11 import android.widget.Toast;
12 public class Registracija_Activity extends AppCompatActivity {
13     EditText et_ime, et_prezime, et_oib, et_usr1, et_pas1, et_pas2;
14     String ime = "";
15     String prezime = "";
16     String oib = "";
17     String username = "";
18     String password1 = "";
19     String password2 = "";
20     Button breg1;

```

```

21     boolean dozvola = false;
22     @Override
23     protected void onCreate(Bundle savedInstanceState) {
24         super.onCreate(savedInstanceState);
25         setContentView(R.layout.activity_registracija);
26         getSupportActionBar().setTitle("Registracija");
27         et_ime = (EditText) findViewById(R.id.et_ime);
28         et_prezime = (EditText) findViewById(R.id.et_prezime);
29         et_oib = (EditText) findViewById(R.id.et_oib);
30         et_usr1 = (EditText) findViewById(R.id.et_user1);
31         et_pas1 = (EditText) findViewById(R.id.et_pass1);
32         et_pas2 = (EditText) findViewById(R.id.et_pass2);
33         breg1 = findViewById(R.id.btn_reg1);
34     }
35     @Override
36     public boolean onCreateOptionsMenu(Menu menu) {
37         getMenuInflater().inflate(R.menu.menu_glavna_login, menu);
38         MenuItem odjava = menu.findItem(R.id.odjava);
39         MenuItem povijest = menu.findItem(R.id.povijest1);
40         odjava.setVisible(false);
41         povijest.setVisible(false);
42         return true;
43     }
44     @Override
45     public boolean onOptionsItemSelected(MenuItem item) {
46         int id = item.getItemId();
47         if (id == R.id.oprog) {
48             Intent inte= new Intent(Registracija_Activity.this,
49 Oprog_Activity.class);
50             startActivity(inte);
51         }
52         if (id == R.id.lok || id == R.id.lok2) {
53             Intent inte= new Intent(Registracija_Activity.this,
54 Lokacije_Glavna_Activity.class);
55             startActivity(inte);
56             finish();
57         }
58         if (id == R.id.pri || id == R.id.pri2) {
59             Intent inte= new Intent(Registracija_Activity.this,
60 Login_Activity.class);
61             startActivity(inte);
62             finish();
63         }
64         if (id == R.id.postavke) {
65             Intent inte= new Intent(Registracija_Activity.this,
66 Postavke_Activity.class);
67             startActivity(inte);
68         }
69         if (id == R.id.odjava) {
70             if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
71                 ((Varijable) this.getApplication()).setVar_log("da");
72                 ((Varijable) this.getApplicationContext()).setVar_user(0);
73                 ((Varijable) this.getApplicationContext()).setVar_ime("");
74                 ((Varijable) this.getApplicationContext()).setVar_prezime("");
75                 ((Varijable) this.getApplicationContext()).setVar_oib("");
76                 ((Varijable) this.getApplicationContext()).setVar_korisnicko_ime("");
77                 ((Varijable) this.getApplicationContext()).setVar_lozinka("");
78                 Intent inte = new Intent(Registracija_Activity.this,
79 Login_Activity.class);
80                 startActivity(inte);
81                 finish();
82             }
83         }
84         return super.onOptionsItemSelected(item);
85     }
86     public void dozvolaKlik(View v){
87         dozvola = ((CheckBox) v).isChecked();
88     }
89     public void klikReg1(View v){

```

```

85     password1 = et_pas1.getText().toString();
86     password2 = et_pas2.getText().toString();
87     if((password1.equals(password2) && dozvola == true) {
88         ime = et_ime.getText().toString();
89         prezime = et_prezime.getText().toString();
90         oib = et_oib.getText().toString();
91         username = et_usr1.getText().toString();
92         String tip = "reg";
93         Konektor konektor = new Konektor(this);
94         konektor.execute(tip, ime, prezime, oib, username, password1);
95     }else{
96         et_pas1.setText("");
97         et_pas2.setText("");
98         Toast.makeText(this, "Obrazac registracije nije pravilno ispunjen!",
Toast.LENGTH_SHORT).show();
99     }
100 }
101 public void registrirano(){
102     Intent inte = new Intent(Registracija_Activity.this, Login_Activity.class);
103     startActivity(inte);
104     finish();
105 }
106 }

```

## Postavke\_Activity.java

```

1  package com.unin.kl.zavrzni_rad_kl;
2  import androidx.appcompat.app.AppCompatActivity;
3  import android.app.AlertDialog;
4  import android.content.DialogInterface;
5  import android.content.Intent;
6  import android.content.SharedPreferences;
7  import android.os.Bundle;
8  import android.view.Menu;
9  import android.view.MenuItem;
10 import android.view.View;
11 import android.widget.Button;
12 import android.widget.EditText;
13 import android.widget.ImageButton;
14 import android.widget.TextView;
15 import android.widget.Toast;
16 public class Postavke_Activity extends AppCompatActivity {
17     int user_id;
18     String p_ip = "";
19     EditText et_ime, et_prezime, et_oib, et_korisnik, et_pass1, et_pass2, ip;
20     TextView tv_naslov;
21     ImageButton btnPostavi;
22     Button btnPromjeni, btnIzbrisi;
23     String ime, prezime, oib, korisnik, pass1, pass2, tip;
24     @Override
25     protected void onCreate(Bundle savedInstanceState) {
26         super.onCreate(savedInstanceState);
27         setContentView(R.layout.activity_postavke);
28         getSupportActionBar().setTitle("Postavke");
29         btnPostavi = findViewById(R.id.btn_postavi);
30         btnPromjeni = findViewById(R.id.btn_promjene);
31         btnIzbrisi = findViewById(R.id.btn_izbrisi);
32         tv_naslov = findViewById(R.id.tv_naslov);
33         et_ime = findViewById(R.id.et_ime);
34         et_prezime = findViewById(R.id.et_prezime);
35         et_oib = findViewById(R.id.et_oib);
36         et_korisnik = findViewById(R.id.et_user1);
37         et_pass1 = findViewById(R.id.et_pass1);
38         et_pass2 = findViewById(R.id.et_pass2);
39         user_id();
40         et_ime.setText(((Variable) this.getApplicationContext()).getVar_ime());
41         et_prezime.setText(((Variable)
this.getApplicationContext()).getVar_prezime());
42         et_oib.setText(((Variable) this.getApplicationContext()).getVar_oib());
43         et_korisnik.setText(((Variable)
this.getApplicationContext()).getVar_korisnicko_ime());

```

```

44     et_pass1.setText(((Varijable)
this.getApplicationContext()).getVar_lozinka());
45     et_pass2.setText(((Varijable)
this.getApplicationContext()).getVar_lozinka());
46     if(((Varijable) this.getApplicationContext()).getVar_log().equals("da")) {
47         btnPromjeni.setVisibility(View.INVISIBLE);
48         btnIzbrisi.setVisibility(View.INVISIBLE);
49         tv_naslov.setVisibility(View.INVISIBLE);
50         et_ime.setVisibility(View.INVISIBLE);
51         et_prezime.setVisibility(View.INVISIBLE);
52         et_oib.setVisibility(View.INVISIBLE);
53         et_korisnik.setVisibility(View.INVISIBLE);
54         et_pass1.setVisibility(View.INVISIBLE);
55         et_pass2.setVisibility(View.INVISIBLE);
56     }
57     ip = findViewById(R.id.et_ip);
58     SharedPreferences sp = getSharedPreferences("SPREMANJE_POSTAVKI",
MODE_PRIVATE);
59     p_ip=sp.getString("IP_server", "127.0.0.1");
60     ip.setText(p_ip);
61     btnPostavi.setOnClickListener(new View.OnClickListener() {
62         @Override
63         public void onClick(View v) {
64             String ip_add = ip.getText().toString();
65             SharedPreferences.Editor sped = sp.edit();
66             sped.putString("IP_server", ip_add);
67             sped.commit();
68             Toast.makeText(Postavke_Activity.this, "Postavili ste IP adesu " +
69                 "servera na: "+ip_add, Toast.LENGTH_SHORT).show();
70         }
71     });
72     btnPromjeni.setOnClickListener(new View.OnClickListener() {
73         @Override
74         public void onClick(View v) {
75             promjena();
76         }
77     });
78     btnIzbrisi.setOnClickListener(new View.OnClickListener() {
79         @Override
80         public void onClick(View v) {
81             brisanje();
82         }
83     });
84 }
85 @Override
86 public boolean onCreateOptionsMenu(Menu menu) {
87     getMenuInflater().inflate(R.menu.menu_glavna_login, menu);
88     MenuItem odjava = menu.findItem(R.id.odjava);
89     MenuItem povijest = menu.findItem(R.id.povijest1);
90     if(((Varijable) this.getApplicationContext()).getVar_log().equals("ne")) {
91         odjava.setVisible(true);
92         povijest.setVisible(true);
93     }else {
94         odjava.setVisible(false);
95         povijest.setVisible(false);
96     }
97     return true;
98 }
99 @Override
100 public boolean onOptionsItemSelected(MenuItem item) {
101     int id = item.getItemId();
102     if (id == R.id.oprog) {
103         Intent inte= new Intent(Postavke_Activity.this, Oprog_Activity.class);
104         startActivity(inte);
105         finish();
106     }
107     if (id == R.id.lok || id == R.id.lok2) {
108         Intent inte= new Intent(Postavke_Activity.this,
Lokacije_Glavna_Activity.class);
109         startActivity(inte);

```



```

110         finish();
111     }
112     if (id == R.id.pri2 || id == R.id.pri) {
113         Intent inte= new Intent(Postavke_Activity.this, Login_Activity.class);
114         startActivity(inte);
115         finish();
116     }
117     if (id == R.id.odjava) {
118         odjava();
119     }
120     if(id == R.id.povijest1){
121         Intent inte= new Intent(Postavke_Activity.this,
122 PovPrijava_Activity.class);
123         startActivity(inte);
124         finish();
125     }
126     return super.onOptionsItemSelected(item);
127 }
128 @Override
129 public void onResume() {
130     super.onResume();
131     invalidateOptionsMenu();
132 }
133 public void user_id(){
134     user_id = ((Variable) this.getApplicationContext()).getVar_user();
135 }
136 public void brisanje() {
137     AlertDialog.Builder builder=new AlertDialog.Builder(this);
138     builder.setTitle("Upozorenje").setMessage("Da li želite izbrisati?");
139     builder.setCancelable(false);
140     builder.setNegativeButton("NE", new DialogInterface.OnClickListener() {
141         @Override
142         public void onClick(DialogInterface dialog, int which) {
143             klikNe();
144         }
145     });
146     builder.setPositiveButton("DA", new DialogInterface.OnClickListener() {
147         @Override
148         public void onClick(DialogInterface dialog, int which) {
149             klikDa();
150         }
151     });
152     AlertDialog poruka=builder.create();
153     poruka.show();
154 }
155 public void klikNe(){
156 }
157 public void klikDa(){
158     tip = "brisanje";
159     user_id();
160     Konektor konektor = new Konektor(this);
161     konektor.execute(tip, String.valueOf(user_id));
162 }
163 public void odjava(){
164     if(((Variable) this.getApplication()).getVar_log().equals("ne")) {
165         ((Variable) this.getApplication()).setVar_log("da");
166         ((Variable) this.getApplicationContext()).setVar_user(0);
167         ((Variable) this.getApplicationContext()).setVar_ime("");
168         ((Variable) this.getApplicationContext()).setVar_prezime("");
169         ((Variable) this.getApplicationContext()).setVar_oib("");
170         ((Variable) this.getApplicationContext()).setVar_korisnicko_ime("");
171         ((Variable) this.getApplicationContext()).setVar_lozinka("");
172         Intent inte = new Intent(Postavke_Activity.this, Login_Activity.class);
173         startActivity(inte);
174         finish();
175     }
176 }
177 public void promjena(){
178     tip = "promjena";
179     user_id();

```

```

179     ime = et_ime.getText().toString();
180     prezime = et_prezime.getText().toString();
181     oib = et_oib.getText().toString();
182     korisnik = et_korisnik.getText().toString();
183     pass1 = et_pass1.getText().toString();
184     pass2 = et_pass2.getText().toString();
185     if(pass1.equals(pass2)) {
186         Konektor konektor = new Konektor(this);
187         konektor.execute(tip, String.valueOf(user_id), ime, prezime, oib,
korisnik, pass1);
188     }else{
189         Toast.makeText(Postavke_Activity.this, "Lozinke se ne podudaraju!",
Toast.LENGTH_SHORT).show();
190     }
191 }
192 }

```

## Prijava\_Activity.java

```

1  package com.unin.kl.zavrzni_rad_kl;
2  import androidx.annotation.Nullable;
3  import androidx.appcompat.app.AppCompatActivity;
4  import androidx.core.app.ActivityCompat;
5  import androidx.core.content.FileProvider;
6  import androidx.recyclerview.widget.LinearLayoutManager;
7  import androidx.recyclerview.widget.RecyclerView;
8  import android.Manifest;
9  import android.content.ClipData;
10 import android.content.Context;
11 import android.content.Intent;
12 import android.content.pm.PackageManager;
13 import android.location.Address;
14 import android.location.Geocoder;
15 import android.location.Location;
16 import android.location.LocationListener;
17 import android.location.LocationManager;
18 import android.net.Uri;
19 import android.os.Bundle;
20 import android.os.Environment;
21 import android.provider.MediaStore;
22 import android.view.Menu;
23 import android.view.MenuItem;
24 import android.view.MotionEvent;
25 import android.view.View;
26 import android.widget.Button;
27 import android.widget.EditText;
28 import android.widget.ImageButton;
29 import android.widget.TextView;
30 import android.widget.Toast;
31 import com.google.android.gms.maps.CameraUpdateFactory;
32 import com.google.android.gms.maps.GoogleMap;
33 import com.google.android.gms.maps.MapFragment;
34 import com.google.android.gms.maps.OnMapReadyCallback;
35 import com.google.android.gms.maps.model.LatLng;
36 import com.google.android.gms.maps.model.MarkerOptions;
37 import java.io.File;
38 import java.io.IOException;
39 import java.text.SimpleDateFormat;
40 import java.util.ArrayList;
41 import java.util.Date;
42 import java.util.List;
43 import java.util.Locale;
44 public class Prijava_Activity extends AppCompatActivity implements
MojRecyclerViewAdapter1.ItemLongClickListener, OnMapReadyCallback {
45     ArrayList<Uri> odabraneSlike = new ArrayList<>();
46     String dirSlika;
47     Uri slikaUri;
48     File f;
49     private MojRecyclerViewAdapter1 adapter;
50     public GoogleMap mMap;
51     LocationManager lm;

```

```

52     LocationListener ll;
53     ImageButton bgal, bfot, bloc;
54     Button bsalji;
55     TextView tv_lok;
56     View prozPogled;
57     EditText et_poruka;
58     RecyclerView recyclerView;
59     List<Address> adrese = null;
60     double lat_d, lon_d;
61     String adresa="";
62     String zupanija="";
63     String lat_pr = "";
64     String lon_pr = "";
65     String vis_pr = "";
66     String status;
67     int korisnik_id;
68     String poruka;
69     String tip;
70     String slika_p = "ne";
71     String datum;
72     @Override
73     protected void onCreate(Bundle savedInstanceState) {
74         super.onCreate(savedInstanceState);
75         setContentView(R.layout.activity_prijava);
76         getSupportActionBar().setTitle("Obrazac prijave");
77         bgal = findViewById(R.id.btngal);
78         bfot = findViewById(R.id.btnfot);
79         bloc = findViewById(R.id.btnloc);
80         bsalji = findViewById(R.id.btnsalji);
81         tv_lok = findViewById(R.id.tv_lok);
82         et_poruka = findViewById(R.id.poruka);
83         prozPogled = findViewById(R.id.poz_view);
84         MapFragment mapFragment = (MapFragment)
getFragmentManager().findFragmentById(R.id.mapPr1);
85         mapFragment.getMapAsync(this);
86         recyclerView = findViewById(R.id.rv1);
87         LinearLayoutManager horizontalLayoutManager
88             = new LinearLayoutManager(Prijava_Activity.this,
LinearLayoutManager.HORIZONTAL, false);
89         recyclerView.setLayoutManager(horizontalLayoutManager);
90         adapter = new MojRecyclerViewAdapter1(this, odabraneSlike);
91         adapter.setLongClickListener(this);
92         recyclerView.setAdapter(adapter);
93         lm = (LocationManager) this.getSystemService(Context.LOCATION_SERVICE);
94         ll = new LocationListener() {
95             @Override
96             public void onLocationChanged(Location loc) {
97                 lat_pr = String.valueOf(loc.convert(loc.getLatitude(),
loc.FORMAT_SECONDS));
98                 lon_pr = String.valueOf(loc.convert(loc.getLongitude(),
loc.FORMAT_SECONDS));
99                 lat_pr = lat_pr.substring(0, lat_pr.length() - 3);
100                lon_pr = lon_pr.substring(0, lon_pr.length() - 3);
101                vis_pr = String.valueOf(loc.getAltitude());
102                lat_d = loc.getLatitude();
103                lon_d = loc.getLongitude();
104                LatLng moja_lokacija = new LatLng(loc.getLatitude(),
loc.getLongitude());
105                mMap.clear();
106                mMap.addMarker(new
MarkerOptions().position(moja_lokacija).title("TRENUTNA LOKACIJA"));
107                mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija,
19));
108                Geocoder geocoder;
109                geocoder = new Geocoder(getApplicationContext(),
Locale.getDefault());
110                double latitude = loc.getLatitude();
111                double longitude = loc.getLongitude();
112                try {
113                    adrese = geocoder.getFromLocation(latitude, longitude, 1);

```

```

114         adresa = adrese.get(0).getAddressLine(0);
115         zupanija = adrese.get(0).getAdminArea();
116     } catch (IOException e) {
117         e.printStackTrace();
118     }
119     tv_lok.setText("Vaša trenutna lokacija je:"+"\n"+"Latituda:
"+lat_pr+"\n"+"Longituda: "+lon_pr+"\n"
120         +"Visina: "+vis_pr+"\n"+"Adresa je: "+adresa+",
"+zupanija);
121     lm.removeUpdates(11);
122     }
123     @Override
124     public void onStatusChanged(String provider, int status, Bundle extras)
{
125     }
126     @Override
127     public void onProviderEnabled(String provider) {
128     }
129     @Override
130     public void onProviderDisabled(String provider) {
131     }
132     };
133     bloc.setOnClickListener(new View.OnClickListener() {
134     @Override
135     public void onClick(View v) {
136         if (checkSelfPermission(Manifest.permission.ACCESS_FINE_LOCATION)
137         !=
138         PackageManager.PERMISSION_GRANTED &&
139         checkSelfPermission(Manifest.permission.ACCESS_COARSE_LOCATION) !=
140         PackageManager.PERMISSION_GRANTED) {
141             return;
142         }
143         lm.requestLocationUpdates(LocationManager.GPS_PROVIDER, 100, 0,
144         11);
145     }
146     });
147     bfot.setOnClickListener(new View.OnClickListener() {
148     @Override
149     public void onClick(View v) {
150         izradiSliku();
151     }
152     });
153     bgal.setOnClickListener(new View.OnClickListener() {
154     @Override
155     public void onClick(View v) {
156         if(ActivityCompat.checkSelfPermission(Prijava_Activity.this,
157         Manifest.permission.READ_EXTERNAL_STORAGE) !=
158         PackageManager.PERMISSION_GRANTED);{
159             ActivityCompat.requestPermissions(Prijava_Activity.this,
160             new
161             String[]{Manifest.permission.READ_EXTERNAL_STORAGE}, 100);
162         }
163         Intent intent = new Intent(Intent.ACTION_GET_CONTENT);
164         intent.putExtra(Intent.EXTRA_ALLOW_MULTIPLE, true);
165         intent.setType("image/*");
166         startActivityForResult(intent, 1);
167     }
168     });
169     prozPogled.setOnTouchListener(new View.OnTouchListener() {
170     @Override
171     public boolean onTouch(View view, MotionEvent motionEvent) {
172         switch (motionEvent.getAction()) {
173             case MotionEvent.ACTION_UP:
174                 view.getParent().requestDisallowInterceptTouchEvent(false);
175                 break;
176             default:
177                 view.getParent().requestDisallowInterceptTouchEvent(true);
178         }
179         return false;
180     }
181     });
182     bsalji.setOnClickListener(new View.OnClickListener() {

```

```

176         @Override
177         public void onClick(View v) {
178             prijavak();
179         }
180     });
181 }
182 @Override
183 protected void onActivityResult(int requestCode, int resultCode, @Nullable
Intent data) {
184     super.onActivityResult(requestCode, resultCode, data);
185     if(requestCode == 1 && resultCode == RESULT_OK){
186         ClipData clip = data.getClipData();
187         if(clip != null) {
188             for (int i = 0; i < clip.getItemCount(); i++) {
189                 slikaUri = clip.getItemAt(i).getUri();
190                 odabraneSlike.add(slikaUri);
191                 adapter.notifyDataSetChanged();
192             }
193         }else{
194             slikaUri = data.getData();
195             odabraneSlike.add(slikaUri);
196             adapter.notifyDataSetChanged();
197         }
198     }
199     if (requestCode == 2 && resultCode == RESULT_OK) {
200         Intent mediaScanIntent = new
Intent(Intent.ACTION_MEDIA_SCANNER_SCAN_FILE);
201         f = new File(dirSlika);
202         slikaUri = Uri.fromFile(f);
203         mediaScanIntent.setData(slikaUri);
204         this.sendBroadcast(mediaScanIntent);
205         odabraneSlike.add(slikaUri);
206         adapter.notifyDataSetChanged();
207     }
208 }
209 @Override
210 public boolean onCreateOptionsMenu(Menu menu) {
211     getMenuInflater().inflate(R.menu.menu_glavna_login, menu);
212     MenuItem odjava = menu.findItem(R.id.odjava1);
213     MenuItem povijest = menu.findItem(R.id.povijest1);
214     if(((Variable) this.getApplication()).getVar_log().equals("ne")) {
215         odjava.setVisible(true);
216         povijest.setVisible(true);
217     }else {
218         odjava.setVisible(false);
219         povijest.setVisible(false);
220     }
221     return true;
222 }
223 @Override
224 public boolean onOptionsItemSelected(MenuItem item) {
225     int id = item.getItemId();
226     if (id == R.id.oprog) {
227         Intent inte= new Intent(Prijava_Activity.this, Oprog_Activity.class);
228         startActivity(inte);
229     }
230     if (id == R.id.lok || id == R.id.lok2) {
231         Intent inte= new Intent(Prijava_Activity.this,
Lokacije_Glavna_Activity.class);
232         startActivity(inte);
233         finish();
234     }
235     if (id == R.id.pri || id == R.id.pri2) {
236         Intent inte= new Intent(Prijava_Activity.this, Login_Activity.class);
237         startActivity(inte);
238         finish();
239     }
240     if (id == R.id.postavke) {
241         Intent inte= new Intent(Prijava_Activity.this,
Postavke_Activity.class);

```

```

242         startActivity(inte);
243     }
244     if (id == R.id.odjava1) {
245         if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
246             ((Varijable) this.getApplication()).setVar_log("da");
247             ((Varijable) this.getApplicationContext()).setVar_user(0);
248             ((Varijable) this.getApplicationContext()).setVar_ime("");
249             ((Varijable) this.getApplicationContext()).setVar_prezime("");
250             ((Varijable) this.getApplicationContext()).setVar_oib("");
251             ((Varijable)
252                 this.getApplicationContext()).setVar_korisnicko_ime("");
253             ((Varijable) this.getApplicationContext()).setVar_lozinka("");
254             Intent inte = new Intent(Prijava_Activity.this,
255                 Login_Activity.class);
256             startActivity(inte);
257             finish();
258             recreate();
259         }
260         if(id == R.id.povijest1){
261             Intent inte= new Intent(Prijava_Activity.this,
262                 PovPrijava_Activity.class);
263             startActivity(inte);
264         }
265         return super.onOptionsItemSelected(item);
266     }
267     private void izradiSliku() {
268         Intent takePictureIntent = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
269         if (takePictureIntent.resolveActivity(getPackageManager()) != null) {
270             File photoFile = null;
271             try {
272                 photoFile = slikaFile();
273             } catch (IOException ex) {
274             }
275             if (photoFile != null) {
276                 Uri photoURI = FileProvider.getUriForFile(this,
277                     "com.unin.kl.zavrzni_rad_kl.fileprovider",
278                     photoFile);
279                 takePictureIntent.putExtra(MediaStore.EXTRA_OUTPUT, photoURI);
280                 startActivityForResult(takePictureIntent, 2);
281             }
282         }
283     }
284     private File slikaFile() throws IOException {
285         String datum = new SimpleDateFormat("yyyyMMdd_HHmms").format(new Date());
286         String strImeSlike = "JPEG_" + datum + "_";
287         File dirPohrana = getExternalFilesDir(Environment.DIRECTORY_PICTURES);
288         File slika = File.createTempFile(
289             strImeSlike, /* prefix */
290             ".jpg", /* suffix */
291             dirPohrana /* datoteka */
292         );
293         dirSlika = slika.getAbsolutePath();
294         return slika;
295     }
296     @Override
297     public void onItemClick(View view, int position) {
298         odabraneSlike.remove(position);
299         adapter.notifyDataSetChanged();
300     }
301     @Override
302     public void onMapReady(GoogleMap googleMap) {
303         mMap = googleMap;
304         postaviKartu();
305     }
306     void postaviKartu () {
307         mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
308     }
309     @Override
310     public void onResume() {

```

```

309     super.onResume();
310     invalidateOptionsMenu();
311 }
312 public void prijavak(){
313     datum = new SimpleDateFormat("dd.MM.yyyy. HH:mm:ss").format(new Date());
314     status = ((Variable) this.getApplicationContext()).getVar_anon();
315     korisnik_id = ((Variable) this.getApplicationContext()).getVar_user();
316     if(status.equals("da")){ korisnik_id = 0; }
317     poruka = et_poruka.getText().toString();
318     tip = "prijava";
319     if((odabraneSlike.size()) != 0){
320         slika_p = "da";
321     }
322     Konektor konektor = new Konektor(this);
323     konektor.execute(tip, status, String.valueOf(korisnik_id),
String.valueOf(lat_d), String.valueOf(lon_d), adresa, zupanija, poruka,
324         String.valueOf(odabraneSlike), slika_p, String.valueOf(datum));
325 }
326 public void poslano(){
327     Intent inte = new Intent(Prijava_Activity.this, Login_Activity.class);
328     startActivity(inte);
329     finish();
330 }
331 public void slanje(String por) {
332     runOnUiThread(new Runnable() {
333         @Override
334         public void run() {
335             Toast.makeText(Prijava_Activity.this, por,
Toast.LENGTH_LONG).show();
336         }
337     });
338 }
339 }

```

## MojRecyclerViewAdapter1.java

```

1  package com.unin.kl.zavrnsni_rad_kl;
2  import android.content.Context;
3  import android.net.Uri;
4  import android.view.LayoutInflater;
5  import android.view.View;
6  import android.view.ViewGroup;
7  import android.widget.ImageView;
8  import androidx.annotation.NonNull;
9  import androidx.recyclerview.widget.RecyclerView;
10 import java.util.List;
11 public class MojRecyclerViewAdapter1 extends
RecyclerView.Adapter<MojRecyclerViewAdapter1.ViewHolder> {
12     private List<Uri> uriLista;
13     private LayoutInflater mojInflater;
14     private ItemLongClickListener mojClickListener;
15     MojRecyclerViewAdapter1(Context context, List<Uri> slike) {
16         this.mojInflater = LayoutInflater.from(context);
17         this.uriLista = slike;
18     }
19     @Override
20     @NonNull
21     public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
22         View view = mojInflater.inflate(R.layout.slika1, parent, false);
23         return new ViewHolder(view);
24     }
25     @Override
26     public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
27         Uri slika = uriLista.get(position);
28         holder.mojIv.setImageURI(slika);
29     }
30     @Override
31     public int getItemCount() {
32         return uriLista.size();
33     }

```



```

34     public class ViewHolder extends RecyclerView.ViewHolder implements
View.OnLongClickListener {
35         ImageView mojIv;
36         ViewHolder(View v) {
37             super(v);
38             mojIv = v.findViewById(R.id.imageView1);
39             v.setOnLongClickListener(this);
40         }
41         @Override
42         public boolean onLongClick(View view) {
43             if (mojClickListener != null){
44                 mojClickListener.onItemClick(view, getAdapterPosition());}
45             return false;
46         }
47     }
48     public void getItem(int id) {
49         return;
50     }
51     public void setLongClickListener(Prijava_Activity itemLongClickListener) {
52         this.mojClickListener = itemLongClickListener;
53     }
54     public interface ItemLongClickListener {
55         void onItemClick(View view, int position);
56     }
57 }

```

## PovPrijava\_Activity.java

```

1  package com.unin.kl.zavrsni_rad_kl;
2  import androidx.appcompat.app.AppCompatActivity;
3  import androidx.recyclerview.widget.LinearLayoutManager;
4  import androidx.recyclerview.widget.RecyclerView;
5  import android.annotation.SuppressLint;
6  import android.content.Intent;
7  import android.os.Bundle;
8  import android.view.Menu;
9  import android.view.MenuItem;
10 import android.view.View;
11 import org.json.JSONArray;
12 import org.json.JSONException;
13 import java.util.ArrayList;
14 public class PovPrijava_Activity extends AppCompatActivity implements
MojRecyclerViewAdapter2.ItemClickListener {
15     ArrayList<String > podaciArray = new ArrayList<>();
16     ArrayList<String > slikeArray = new ArrayList<>();
17     ArrayList<String > odabraneStavke = new ArrayList<>();
18     ArrayList<String > odabranaPrijava = new ArrayList<>();
19     private MojRecyclerViewAdapter2 adapter;
20     String tip = "";
21     Menu menu;
22     @Override
23     protected void onCreate(Bundle savedInstanceState) {
24         super.onCreate(savedInstanceState);
25         setContentView(R.layout.activity_pov_prijava);
26         getSupportActionBar().setTitle("Povijest prijava");
27         povijestPrijava(String.valueOf(((Variable)
this.getApplication().getVar_user()));
28         RecyclerView recyclerView = findViewById(R.id.rv2);
29         @SuppressWarnings("WrongConstant")
30         LinearLayoutManager vertikalLayoutManager = new
LinearLayoutManager(PovPrijava_Activity.this,
31             LinearLayoutManager.VERTICAL, false);
32         recyclerView.setLayoutManager(vertikalLayoutManager);
33         adapter = new MojRecyclerViewAdapter2(this, odabraneStavke);
34         adapter.setOnClickListener(this);
35         recyclerView.setAdapter(adapter);
36     }
37     @Override
38     public boolean onCreateOptionsMenu(Menu menu) {
39         this.menu = menu;
40         getMenuInflater().inflate(R.menu.menu_glavna_login, menu);

```



```

41     MenuItem odjava = menu.findItem(R.id.odjava1);
42     MenuItem povijest = menu.findItem(R.id.povijest1);
43     if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
44         odjava.setVisible(true);
45         povijest.setVisible(true);
46     }
47     return true;
48 }
49 @Override
50 public boolean onOptionsItemSelected(MenuItem item) {
51     int id = item.getItemId();
52     if (id == R.id.oprog) {
53         Intent inte= new Intent(PovPrijava_Activity.this,
Oprogr_Activity.class);
54         startActivity(inte);
55     }
56     if (id == R.id.lok || id == R.id.lok2) {
57         Intent inte= new Intent(PovPrijava_Activity.this,
Lokacije_Glavna_Activity.class);
58         startActivity(inte);
59         finish();
60     }
61     if (id == R.id.pri || id == R.id.lok) {
62         Intent inte= new Intent(PovPrijava_Activity.this,
Login_Activity.class);
63         startActivity(inte);
64         finish();
65     }
66     if (id == R.id.postavke) {
67         Intent inte= new Intent(PovPrijava_Activity.this,
Postavke_Activity.class);
68         startActivity(inte);
69     }
70     if (id == R.id.odjava1) {
71         if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
72             ((Varijable) this.getApplication()).setVar_log("da");
73             ((Varijable) this.getApplicationContext()).setVar_user(0);
74             ((Varijable) this.getApplicationContext()).setVar_ime("");
75             ((Varijable) this.getApplicationContext()).setVar_prezime("");
76             ((Varijable) this.getApplicationContext()).setVar_oib("");
77             ((Varijable)
this.getApplicationContext()).setVar_korisnicko_ime("");
78             ((Varijable) this.getApplicationContext()).setVar_lozinka("");
79             Intent inte = new Intent(PovPrijava_Activity.this,
Login_Activity.class);
80             startActivity(inte);
81             finish();
82         }
83     }
84     if (id == R.id.povijest1) {
85     }
86     return super.onOptionsItemSelected(item);
87 }
88 public String povijestPrijava(String s){
89     tip = "dohvat_lista";
90     Konektor konektor = new Konektor(this);
91     konektor.execute(tip, s);
92     return null;
93 }
94 public void obradaPodaci(String por) {
95     String[] podaci = new String[0];
96     JSONArray jsonArray = null;
97     try {
98         jsonArray = new JSONArray(por);
99         podaci = new String[jsonArray.length()];
100         for (int i = 0; i < jsonArray.length(); i++) {
101             podaci[i] = jsonArray.getString(i);
102             podaciArray.add(podaci[i]);
103         }
104     } catch (JSONException e) {

```

```

105         e.printStackTrace();
106     }
107 }
108 public void obradaSlike(String por) {
109     String[] podaci = new String[0];
110     JSONArray jsonArray = null;
111     try {
112         jsonArray = new JSONArray(por);
113         podaci = new String[jsonArray.length()];
114         for (int i = 0; i < jsonArray.length(); i++) {
115             podaci[i] = jsonArray.getString(i);
116             slikeArray.add(podaci[i]);
117         }
118     } catch (JSONException e) {
119         e.printStackTrace();
120     }
121 }
122 public void dohvatSlika(int poz){
123     tip = "dohvat_slika";
124     Konektor konektor = new Konektor(this);
125     konektor.execute(tip, String.valueOf(poz));
126 }
127 public void postavljanje(){
128     for(int i = 3; i < podaciArray.size(); i = i+11){
129         odabraneStavke.add(podaciArray.get(i));
130     }
131     adapter.notifyDataSetChanged();
132 }
133 public void spremanjeSlika(){
134     ((Varijable) this.getApplication()).setVar_slike(slikeArray);
135     prikaz();
136 }
137 @Override
138 public void onItemClick(View view, int position) {
139     int pozicija = 0;
140     if(position == 0){pozicija = 0;}
141     if(position != 0 ){pozicija = position * 11;}
142     odabranaPrijava.clear();
143     for(int i = pozicija; i < (pozicija + 11); i++){
144         odabranaPrijava.add(podaciArray.get(i));
145     }
146     ((Varijable) this.getApplication()).setVar_podaci(null);
147     ((Varijable) this.getApplication()).setVar_podaci(odabranaPrijava);
148     String test = podaciArray.get(pozicija+9);
149     if(test.equals("da")){
150         slikeArray.clear();
151         dohvatSlika(Integer.parseInt(podaciArray.get(pozicija)));
152         prikaz();
153     }else{ prikaz(); }
154 }
155 public void prikaz(){
156     Intent inte= new Intent(PovPrijava_Activity.this,
157     PrijavaSpr_Activity.class);
158     startActivity(inte);
159 }

```

## MojeRecyclerViewAdapter2.java

```

1 package com.unin.kl.zavrzni_rad_kl;
2 import android.content.Context;
3 import android.view.LayoutInflater;
4 import android.view.View;
5 import android.view.ViewGroup;
6 import android.widget.TextView;
7 import androidx.annotation.NonNull;
8 import androidx.recyclerview.widget.RecyclerView;
9 import java.util.List;
10 public class MojRecyclerViewAdapter2 extends
11     RecyclerView.Adapter<MojRecyclerViewAdapter2.ViewHolder> {
12     private List<String> stavkeLista;

```

```

12     private LayoutInflater mojInflater;
13     private ItemClickListener mojClickListener;
14     MojRecyclerViewAdapter2(Context context, List<String> datumi) {
15         this.mojInflater = LayoutInflater.from(context);
16         this.stavkeLista = datumi;
17     }
18     @Override
19     @NonNull
20     public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
21         View view = mojInflater.inflate(R.layout.povstavka, parent, false);
22         return new ViewHolder(view);
23     }
24     @Override
25     public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
26         String tekst = stavkeLista.get(position);
27         holder.tvDatum.setText(tekst);
28     }
29     @Override
30     public int getItemCount() {
31         return stavkeLista.size();
32     }
33     public class ViewHolder extends RecyclerView.ViewHolder implements
View.OnClickListener {
34         TextView tvDatum;
35         ViewHolder(View v) {
36             super(v);
37             tvDatum = v.findViewById(R.id.tv_datum);
38             v.setOnClickListener(this);
39         }
40         @Override
41         public void onClick(View view) {
42             if (mojClickListener != null){
43                 mojClickListener.onItemClick(view, getAdapterPosition());
44             }
45         }
46         public void getItem(int id) {
47             return;
48         }
49         public void setClickListener(ItemClickListener itemClickListener) {
50             this.mojClickListener = itemClickListener;
51         }
52         public interface ItemClickListener {
53             void onItemClick(View view, int position);
54         }
55 }

```

## PrijavaSpr\_Activity.java

```

1  package com.unin.kl.zavrnsni_rad_kl;
2  import androidx.appcompat.app.AppCompatActivity;
3  import androidx.recyclerview.widget.LinearLayoutManager;
4  import androidx.recyclerview.widget.RecyclerView;
5  import android.content.Intent;
6  import android.location.Location;
7  import android.os.Bundle;
8  import android.view.Menu;
9  import android.view.MenuItem;
10 import android.view.MotionEvent;
11 import android.view.View;
12 import android.widget.TextView;
13 import com.google.android.gms.maps.CameraUpdateFactory;
14 import com.google.android.gms.maps.GoogleMap;
15 import com.google.android.gms.maps.MapFragment;
16 import com.google.android.gms.maps.OnMapReadyCallback;
17 import com.google.android.gms.maps.model.LatLng;
18 import com.google.android.gms.maps.model.MarkerOptions;
19 import java.util.ArrayList;
20 public class PrijavaSpr_Activity extends AppCompatActivity implements
OnMapReadyCallback {
21     ArrayList<String> odabranaPrijava = new ArrayList<>();
22     ArrayList<String> ucitaneSlikeArray = new ArrayList<>();

```

```

23     ArrayList<String > pojedineUcitaneSlikeArray = new ArrayList<>();
24     TextView tvDatumNaslov, tvDatum, tvLokKordNaslov, tvLokKord, tvLokAddNaslov,
tvLokAdd,
25         tvPoruka, tvOdgovor;
26     View prozMapPogled;
27     RecyclerView recyclerView;
28     private MojRecyclerViewAdapter3 adapter;
29     public GoogleMap mMap;
30     boolean map_a = false;
31     double lat_d = 0;
32     double lon_d = 0;
33     String lat_s = "";
34     String lon_s = "";
35     @Override
36     protected void onCreate(Bundle savedInstanceState) {
37         super.onCreate(savedInstanceState);
38         setContentView(R.layout.activity_prijava_spr);
39         getSupportActionBar().setTitle("Prijava");
40         tvDatumNaslov = findViewById(R.id.tv_datum_naslov);
41         tvDatum = findViewById(R.id.tv_datum);
42         tvLokKordNaslov = findViewById(R.id.tv_lok_kord_naslov);
43         tvLokAdd = findViewById(R.id.tv_lok_add);
44         tvLokAddNaslov = findViewById(R.id.tv_lok_add_naslov);
45         tvLokKord = findViewById(R.id.tv_lok_kord);
46         tvPoruka = findViewById(R.id.tv_poruka);
47         tvOdgovor = findViewById(R.id.tv_odgovor);
48         prozMapPogled = findViewById(R.id.proz_map_view);
49         MapFragment mapFragment = (MapFragment)
getFragmentManager().findFragmentById(R.id.mapPr3);
50         mapFragment.getMapAsync(this);
51         recyclerView = findViewById(R.id.rv3);
52         LinearLayoutManager horizontalLayoutManager
53             = new LinearLayoutManager(PrijavaSpr_Activity.this,
LinearLayoutManager.HORIZONTAL, false);
54         recyclerView.setLayoutManager(horizontalLayoutManager);
55         adapter = new MojRecyclerViewAdapter3(this, pojedineUcitaneSlikeArray);
56         recyclerView.setAdapter(adapter);
57         odabranaPrijava = ((Variable) this.getApplication()).getVar_podaci();
58         postaviSve();
59         prozMapPogled.setOnTouchListener(new View.OnTouchListener() {
60             @Override
61             public boolean onTouch(View view, MotionEvent motionEvent) {
62                 switch (motionEvent.getAction()) {
63                     case MotionEvent.ACTION_UP:
64                         view.getParent().requestDisallowInterceptTouchEvent(false);
65                         break;
66                     default:
67                         view.getParent().requestDisallowInterceptTouchEvent(true);
68                 }
69                 return false;
70             }
71         });
72     }
73     @Override
74     public boolean onCreateOptionsMenu(Menu menu) {
75         getMenuInflater().inflate(R.menu.menu_glavna_login, menu);
76         MenuItem odjava = menu.findItem(R.id.odjava1);
77         MenuItem povijest = menu.findItem(R.id.povijest1);
78         if(((Variable) this.getApplication()).getVar_log().equals("ne")) {
79             odjava.setVisible(true);
80             povijest.setVisible(true);
81         } else {
82             odjava.setVisible(false);
83             povijest.setVisible(false);
84         }
85         return true;
86     }
87     @Override
88     public boolean onOptionsItemSelected(MenuItem item) {
89         int id = item.getItemId();

```

```

90         if (id == R.id.oprog) {
91             Intent inte= new Intent(PrijavaSpr_Activity.this,
Oprog_Activity.class);
92             startActivity(inte);
93         }
94         if (id == R.id.lok || id == R.id.lok2) {
95             Intent inte= new Intent(PrijavaSpr_Activity.this,
Lokacije_Glavna_Activity.class);
96             startActivity(inte);
97             finish();
98         }
99         if (id == R.id.pri || id == R.id.pri2) {
100            Intent inte= new Intent(PrijavaSpr_Activity.this,
Login_Activity.class);
101            startActivity(inte);
102            finish();
103        }
104        if (id == R.id.postavke) {
105            Intent inte= new Intent(PrijavaSpr_Activity.this,
Postavke_Activity.class);
106            startActivity(inte);
107        }
108        if (id == R.id.odjava1) {
109            if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
110                ((Varijable) this.getApplication()).setVar_log("da");
111                ((Varijable) this.getApplicationContext()).setVar_user(0);
112                ((Varijable) this.getApplicationContext()).setVar_ime("");
113                ((Varijable) this.getApplicationContext()).setVar_prezime("");
114                ((Varijable) this.getApplicationContext()).setVar_oib("");
115                ((Varijable)
this.getApplicationContext()).setVar_korisnicko_ime("");
116                ((Varijable) this.getApplicationContext()).setVar_lozinka("");
117                Intent inte = new Intent(PrijavaSpr_Activity.this,
Login_Activity.class);
118                startActivity(inte);
119                finish();
120                recreate();
121            }
122        }
123        if(id == R.id.povijest1){
124            Intent inte= new Intent(PrijavaSpr_Activity.this,
PovPrijava_Activity.class);
125            startActivity(inte);
126            finish();
127        }
128        return super.onOptionsItemSelected(item);
129    }
130    @Override
131    public void onMapReady(GoogleMap googleMap) {
132        mMap = googleMap;
133        postaviKartu ();
134    }
135    void postaviKartu (){
136        mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
137        if(map_a == true){ pokaziLok(); }
138    }
139    public void postaviSve(){
140        tvDatum.setText(odabranaPrijava.get(3));
141        if(odabranaPrijava.get(10).equals("")){
142            tvOdgovor.setVisibility(View.GONE);
143        }else{
144            tvOdgovor.setText(odabranaPrijava.get(10));
145        }
146        if(odabranaPrijava.get(8).equals("")){
147            tvPoruka.setVisibility(View.GONE);
148        }else{
149            tvPoruka.setText(odabranaPrijava.get(8));
150        }
151        if(odabranaPrijava.get(9).equals("da")) {
152            ucitaneSlikeArray = ((Varijable) this.getApplication()).getVar_slike();

```

```

153         for(int i = 0; i < ucitaneSlikeArray.size(); i++){
154             pojedineUcitaneSlikeArray.add(ucitaneSlikeArray.get(i));
155             adapter.notifyDataSetChanged();
156         }
157     }else{
158         recyclerView.setVisibility(View.GONE);
159         tvDatumNaslov.offsetTopAndBottom(10);
160     }
161     map_a = true;
162 }
163 public void pokaziLok(){
164     if(odabranaPrijava.get(4).equals("0.0") &&
        odabranaPrijava.get(5).equals("0.0")){
165         tvLokKordNaslov.setVisibility(View.GONE);
166         tvLokKord.setVisibility(View.GONE);
167         tvLokAddNaslov.setVisibility(View.GONE);
168         tvLokAdd.setVisibility(View.GONE);
169         View fragmentMap = this.findViewById(R.id.mapPr3);
170         fragmentMap.setVisibility(View.GONE);
171         prozMapPogled.setVisibility(View.GONE);
172     }else{
173         lat_d = Double.parseDouble(odabranaPrijava.get(4));
174         lon_d = Double.parseDouble(odabranaPrijava.get(5));
175         LatLng moja_lokacija = new LatLng(lat_d, lon_d);
176         lat_s = String.valueOf(Location.convert(lat_d,
        Location.FORMAT_SECONDS));
177         lon_s = String.valueOf(Location.convert(lon_d,
        Location.FORMAT_SECONDS));
178         lat_s = lat_s.substring(0, lat_s.length() - 3);
179         lon_s = lon_s.substring(0, lon_s.length() - 3);
180         mMap.clear();
181         mMap.addMarker(new
        MarkerOptions().position(moja_lokacija).title("LOKACIJA PRIJAVE"));
182         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija, 19));
183         if(odabranaPrijava.get(6).equals("")) &&
        odabranaPrijava.get(7).equals("")){
184             tvLokKord.setText("Latituda: "+lat_s+"\n"+"Longituda: "+lon_s);
185         }else{
186             tvLokKord.setText("Latituda: "+lat_s+"\n"+"Longituda: "+lon_s);
187             tvLokAdd.setText(odabranaPrijava.get(6)+"",
        "+odabranaPrijava.get(7));
188         }
189     }
190 }
191 }

```

## MojRecyclerViewAdapter3.java

```

1 package com.unin.kl.zavrsni_rad_kl;
2 import android.content.Context;
3 import android.view.LayoutInflater;
4 import android.view.View;
5 import android.view.ViewGroup;
6 import android.widget.ImageView;
7 import androidx.annotation.NonNull;
8 import androidx.recyclerview.widget.RecyclerView;
9 import com.squareup.picasso.Picasso;
10 import java.util.List;
11 public class MojRecyclerViewAdapter3 extends
    RecyclerView.Adapter<MojRecyclerViewAdapter3.ViewHolder> {
12     private List<String> urlLista;
13     private LayoutInflater mojInflater;
14     MojRecyclerViewAdapter3(Context context, List<String> slike) {
15         this.mojInflater = LayoutInflater.from(context);
16         this.urlLista = slike;
17     }
18     @Override
19     @NonNull
20     public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
21         View view = mojInflater.inflate(R.layout.slikal, parent, false);
22         return new ViewHolder(view);

```

```

23     }
24     @Override
25     public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
26         String slika = urlLista.get(position);
27         Picasso.get().load(slika).into(holder.mojIv);
28     }
29     @Override
30     public int getItemCount() {
31         return urlLista.size();
32     }
33     public class ViewHolder extends RecyclerView.ViewHolder {
34         ImageView mojIv;
35         ViewHolder(View v) {
36             super(v);
37             mojIv = v.findViewById(R.id.imageView1);
38         }
39     }
40 }

```

## Varijable.java

```

1  package com.unin.kl.zavrsni_rad_kl;
2  import android.app.Application;
3  import java.util.ArrayList;
4  public class Varijable extends Application {
5      public static String log_stat = "da";
6      public static int user_id = 0;
7      public static String anonimna = "ne";
8      public static String ime = "";
9      public static String prezime = "";
10     public static String oib = "";
11     public static String korisnicko_ime = "";
12     public static String lozinka = "";
13     public static String pregledPri = "ne";
14     ArrayList<String > podaciArray = new ArrayList<>();
15     ArrayList<String > slikeArray = new ArrayList<>();
16     public int getVar_user() { return user_id; }
17     public void setVar_user(int sVar_user) { this.user_id = sVar_user; }
18     public String getVar_log() { return log_stat; }
19     public void setVar_log(String sVar_log) { this.log_stat = sVar_log; }
20     public String getVar_anon() { return anonimna; }
21     public void setVar_anon(String sVar_anon) { this.anonimna = sVar_anon; }
22     public String getVar_ime() { return ime; }
23     public void setVar_ime(String sVar_ime) { this.ime = sVar_ime; }
24     public String getVar_prezime() { return prezime; }
25     public void setVar_prezime(String sVar_prezime) { this.prezime = sVar_prezime; }
26 }
27     public String getVar_oib() { return oib; }
28     public void setVar_oib(String sVar_oib) { this.oib = sVar_oib; }
29     public String getVar_korisnicko_ime() { return korisnicko_ime; }
30     public void setVar_korisnicko_ime(String sVar_korisnicko_ime) {
31         this.korisnicko_ime = sVar_korisnicko_ime; }
32     public String getVar_lozinka() { return lozinka; }
33     public void setVar_lozinka(String sVar_lozinka) { this.lozinka = sVar_lozinka; }
34 }
35     public ArrayList getVar_podaci() { return podaciArray; }
36     public void setVar_podaci(ArrayList sVar_podaci) { this.podaciArray =
37         sVar_podaci; }
38     public ArrayList getVar_slike() { return slikeArray; }
39     public void setVar_slike(ArrayList sVar_slike) { this.slikeArray = sVar_slike; }
40 }

```

## Konektor.java

```

1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Context;
3  import android.content.SharedPreferences;
4  import android.graphics.Bitmap;
5  import android.graphics.BitmapFactory;
6  import android.net.Uri;

```



```

7  import android.os.AsyncTask;
8  import android.provider.MediaStore;
9  import android.util.Base64;
10 import android.util.Log;
11 import android.widget.Toast;
12 import org.json.JSONArray;
13 import org.json.JSONException;
14 import java.io.BufferedReader;
15 import java.io.BufferedWriter;
16 import java.io.ByteArrayOutputStream;
17 import java.io.IOException;
18 import java.io.InputStream;
19 import java.io.InputStreamReader;
20 import java.io.OutputStream;
21 import java.io.OutputStreamWriter;
22 import java.net.HttpURLConnection;
23 import java.net.MalformedURLException;
24 import java.net.URL;
25 import java.net.URLEncoder;
26 import static android.content.Context.MODE_PRIVATE;
27 public class Konektor extends AsyncTask<String, Integer, String> {
28     Context kontekst;
29     String url_str = "";
30     String slika_str;
31     String rezultat = "";
32     String rezultat_s = "";
33     String linija = "";
34     String ip = "";
35     private Bitmap bitmap;
36     Uri uri;
37     String tip = "";
38     String korisnicko_ime, lozinka;
39     Konektor (Context ctx) { kontekst = ctx; }
40     SharedPreferences sp;
41     HttpURLConnection httpURLKonekcija;
42     OutputStream izlazniStream;
43     BufferedWriter bufferPisac;
44     String post_data;
45     InputStream ulazniStream;
46     BufferedReader bufferCitac;
47     URL url;
48     @Override
49     protected String doInBackground(String... parametar) {
50         sp = kontekst.getSharedPreferences("SPREMANJE_POSTAVKI", MODE_PRIVATE);
51         ip=sp.getString("IP_server", "127.0.0.1");
52         tip = parametar[0];
53         if(tip.equals("login")) {
54             url_str = "http://"+ip+"/zavrsnirad/login.php";
55             try {
56                 korisnicko_ime = parametar[1];
57                 lozinka = parametar[2];
58                 url = new URL(url_str);
59                 httpURLKonekcija = (HttpURLConnection)url.openConnection();
60                 httpURLKonekcija.setRequestMethod("POST");
61                 httpURLKonekcija.setDoOutput(true);
62                 httpURLKonekcija.setDoInput(true);
63                 izlazniStream = httpURLKonekcija.getOutputStream();
64                 bufferPisac = new BufferedWriter(new
OutputStreamWriter(izlazniStream,
65                     "UTF-8"));
66                 post_data = URLEncoder.encode("korisnicko_ime","UTF-8")+
67                     "="+URLEncoder.encode(korisnicko_ime,"UTF-8")+
68                     "&"+URLEncoder.encode("lozinka","UTF-8")+
69                     "="+ URLEncoder.encode(lozinka,"UTF-8");
70                 bufferPisac.write(post_data);
71                 bufferPisac.flush();
72                 bufferPisac.close();
73                 izlazniStream.close();
74                 ulazniStream = httpURLKonekcija.getInputStream();

```



```

75         bufferCitac = new BufferedReader(new
InputStreamReader(ulazniStream,
76                 "UTF-8"));
77         while((linija = bufferCitac.readLine()) != null) {
78             rezultat += linija;
79         }
80         bufferCitac.close();
81         ulazniStream.close();
82         httpURLKonekcija.disconnect();
83         return rezultat;
84     } catch (MalformedURLException e) {
85         e.printStackTrace();
86     } catch (IOException e) {
87         e.printStackTrace();
88     }
89 }
90 if(tip.equals("reg")) {
91     url_str = "http://" + ip + "/zavrsnirad/registracija.php";
92     String ime = parametar[1];
93     String prezime = parametar[2];
94     String oib = parametar[3];
95     korisnicko_ime = parametar[4];
96     lozinka = parametar[5];
97     try {
98         url = new URL(url_str);
99         httpURLKonekcija = (URLConnection)url.openConnection();
100        httpURLKonekcija.setRequestMethod("POST");
101        httpURLKonekcija.setDoOutput(true);
102        httpURLKonekcija.setDoInput(true);
103        izlazniStream = httpURLKonekcija.getOutputStream();
104        bufferPisac = new BufferedWriter(new
OutputStreamWriter(izlazniStream,
105                    "UTF-8"));
106        post_data = URLEncoder.encode("ime", "UTF-8")+"="
+URLEncoder.encode(ime, "UTF-8")+
107        "&"+URLEncoder.encode("prezime", "UTF-8")+"="
108        + URLEncoder.encode(prezime, "UTF-8")+
109        "&"+URLEncoder.encode("oib", "UTF-8")+"="
110        + URLEncoder.encode(oib, "UTF-8")+
111        "&"+URLEncoder.encode("korisnicko_ime", "UTF-8")+"="
112        + URLEncoder.encode(korisnicko_ime, "UTF-8")+
113        "&"+URLEncoder.encode("lozinka", "UTF-8")+"="
114        + URLEncoder.encode(lozinka, "UTF-8");
115        bufferPisac.write(post_data);
116        bufferPisac.flush();
117        bufferPisac.close();
118        izlazniStream.close();
119        ulazniStream = httpURLKonekcija.getInputStream();
120        bufferCitac = new BufferedReader(new
InputStreamReader(ulazniStream,
121                    "UTF-8"));
122        rezultat = "";
123        linija = "";
124        while((linija = bufferCitac.readLine()) != null) {
125            rezultat += linija;
126        }
127        bufferCitac.close();
128        ulazniStream.close();
129        httpURLKonekcija.disconnect();
130        return rezultat;
131    } catch (MalformedURLException e) {
132        e.printStackTrace();
133    } catch (IOException e) {
134        e.printStackTrace();
135    }
136 }
137 }
138 if(tip.equals("promjena")) {
139     url_str = "http://" + ip + "/zavrsnirad/promjena.php";
140     String id = parametar[1];
141     String ime = parametar[2];

```

```

142     String prezime = parametar[3];
143     String oib = parametar[4];
144     korisnicko_ime = parametar[5];
145     lozinka = parametar[6];
146     try {
147         url = new URL(url_str);
148         httpURLKonekcija = (URLConnection)url.openConnection();
149         httpURLKonekcija.setRequestMethod("POST");
150         httpURLKonekcija.setDoOutput(true);
151         httpURLKonekcija.setDoInput(true);
152         izlazniStream = httpURLKonekcija.getOutputStream();
153         bufferPisac = new BufferedWriter(new
OutputStreamWriter(izlazniStream,
154             "UTF-8"));
155         post_data = URLEncoder.encode("tip", "UTF-8") +
156             "=" + URLEncoder.encode(tip, "UTF-8") +
157             "&" + URLEncoder.encode("id", "UTF-8") +
158             "=" + URLEncoder.encode(id, "UTF-8") +
159             "&" + URLEncoder.encode("ime", "UTF-8") +
160             "=" + URLEncoder.encode(ime, "UTF-8") +
161             "&" + URLEncoder.encode("prezime", "UTF-8") +
162             "=" + URLEncoder.encode(prezime, "UTF-8") +
163             "&" + URLEncoder.encode("oib", "UTF-8") +
164             "=" + URLEncoder.encode(oib, "UTF-8") +
165             "&" + URLEncoder.encode("korisnicko_ime", "UTF-8") +
166             "=" + URLEncoder.encode(korisnicko_ime, "UTF-8") +
167             "&" + URLEncoder.encode("lozinka", "UTF-8") +
168             "=" + URLEncoder.encode(lozinka, "UTF-8");
169         bufferPisac.write(post_data);
170         bufferPisac.flush();
171         bufferPisac.close();
172         izlazniStream.close();
173         ulazniStream = httpURLKonekcija.getInputStream();
174         bufferCitac = new BufferedReader(new
InputStreamReader(ulazniStream,
175             "UTF-8"));
176         rezultat = "";
177         linija = "";
178         while((linija = bufferCitac.readLine()) != null) {
179             rezultat += linija;
180         }
181         bufferCitac.close();
182         ulazniStream.close();
183         httpURLKonekcija.disconnect();
184         return rezultat;
185     } catch (MalformedURLException e) {
186         e.printStackTrace();
187     } catch (IOException e) {
188         e.printStackTrace();
189     }
190 }
191 if(tip.equals("brisanje")) {
192     url_str = "http://" + ip + "/zavrsnirad/promjena.php";
193     String id = parametar[1];
194     try {
195         url = new URL(url_str);
196         httpURLKonekcija = (URLConnection)url.openConnection();
197         httpURLKonekcija.setRequestMethod("POST");
198         httpURLKonekcija.setDoOutput(true);
199         httpURLKonekcija.setDoInput(true);
200         izlazniStream = httpURLKonekcija.getOutputStream();
201         bufferPisac = new BufferedWriter(new
OutputStreamWriter(izlazniStream,
202             "UTF-8"));
203         post_data = URLEncoder.encode("tip", "UTF-8") +
204             "=" + URLEncoder.encode(tip, "UTF-8") +
205             "&" + URLEncoder.encode("id", "UTF-8") +
206             "=" + URLEncoder.encode(id, "UTF-8");
207         bufferPisac.write(post_data);
208         bufferPisac.flush();

```

```

209         bufferPisac.close();
210         izlazniStream.close();
211         ulazniStream = httpURLKonekcija.getInputStream();
212         bufferCitac = new BufferedReader(new
InputStreamReader(ulazniStream,"UTF-8"));
213         rezultat = "";
214         linija = "";
215         while((linija = bufferCitac.readLine()) != null) {
216             rezultat += linija;
217         }
218         bufferCitac.close();
219         ulazniStream.close();
220         httpURLKonekcija.disconnect();
221         return rezultat;
222     } catch (MalformedURLException e) {
223         e.printStackTrace();
224     } catch (IOException e) {
225         e.printStackTrace();
226     }
227 }
228 if(tip.equals("prijava")) {
229     url_str = "http://" + ip + "/zavrsnirad/prijava.php";
230     String status = parametar[1];
231     String korisnik_id = parametar[2];
232     String lat = parametar[3];
233     String lon = parametar[4];
234     String adresa = parametar[5];
235     String zupanija = parametar[6];
236     String poruka = parametar[7];
237     String slike = parametar[8];
238     String slika_p = parametar[9];
239     String datum = parametar[10];
240     try {
241         url = new URL(url_str);
242         httpURLKonekcija = (URLConnection)url.openConnection();
243         httpURLKonekcija.setRequestMethod("POST");
244         httpURLKonekcija.setDoOutput(true);
245         httpURLKonekcija.setDoInput(true);
246         izlazniStream = httpURLKonekcija.getOutputStream();
247         bufferPisac = new BufferedWriter(new
OutputStreamWriter(izlazniStream,
248 "UTF-8"));
249         post_data = URLEncoder.encode("tip","UTF-8")+
250 "="+URLEncoder.encode(tip,"UTF-8")+
251 "&"+URLEncoder.encode("anon","UTF-8")+
252 "="+URLEncoder.encode(status,"UTF-8")+
253 "&"+URLEncoder.encode("korisnik_id","UTF-8")+
254 "="+URLEncoder.encode(korisnik_id,"UTF-8")+
255 "&"+URLEncoder.encode("latituda","UTF-8")+
256 "="+ URLEncoder.encode(lat,"UTF-8")+
257 "&"+URLEncoder.encode("longituda","UTF-8")+
258 "="+ URLEncoder.encode(lon,"UTF-8")+
259 "&"+URLEncoder.encode("adresa","UTF-8")+
260 "="+ URLEncoder.encode(adresa,"UTF-8")+
261 "&"+URLEncoder.encode("zupanija","UTF-8")+
262 "="+ URLEncoder.encode(zupanija,"UTF-8")+
263 "&"+URLEncoder.encode("poruka","UTF-8")+
264 "="+ URLEncoder.encode(poruka,"UTF-8")+
265 "&"+URLEncoder.encode("ima_slika","UTF-8")+
266 "="+ URLEncoder.encode(slika_p,"UTF-8")+
267 "&"+URLEncoder.encode("datum","UTF-8")+
268 "="+ URLEncoder.encode(datum,"UTF-8");
269         bufferPisac.write(post_data);
270         bufferPisac.flush();
271         bufferPisac.close();
272         izlazniStream.close();
273         ulazniStream = httpURLKonekcija.getInputStream();
274         bufferCitac = new BufferedReader(new
InputStreamReader(ulazniStream,
275 "UTF-8"));

```

```

276     rezultat = "";
277     linija = "";
278     while((linija = bufferCitac.readLine()) != null) {
279         rezultat += linija;
280     }
281     bufferCitac.close();
282     ulazniStream.close();
283     httpURLKonekcija.disconnect();
284     String[] podaci = new String[0];
285     String split[] = rezultat.split("//");
286     if (split[0].equals("uspjesno_prijava")) {
287         JSONArray jsonArray = null;
288         try {
289             jsonArray = new JSONArray(split[1]);
290             podaci = new String[jsonArray.length()];
291             for (int i = 0; i < jsonArray.length(); i++) {
292                 podaci[i] = jsonArray.getString(i);
293             }
294         } catch (JSONException e) {
295             e.printStackTrace();
296         }
297         if (slika_p.equals("da")){
298             String bezZagada = slike.substring( 1, slike.length() - 1);
299             String[] lista = bezZagada.split( " ", );
300             for (int i = 0; i < lista.length; i++) {
301                 url_str = "http://" + ip + "/zavrsnirad/slike.php";
302                 String st = "Šaljem "+(i+1)+"/"+lista.length+" slika.";
303                 ((Prijava_Activity) kontekst).slanje(st);
304                 try {
305                     uri = Uri.parse(lista[i]);
306                     bitmap = BitmapFactory.decodeFile(uri.getPath());
307                     ByteArrayOutputStream stream = new
ByteArrayOutputStream();
308                     bitmap = MediaStore.Images.Media.getBitmap(
309     kontekst.getContentResolver(),Uri.parse(lista[i]));
310                     bitmap.compress(Bitmap.CompressFormat.JPEG, 100,
stream);
311                     bitmap.recycle();
312                     byte[] array = stream.toByteArray();
313                     slika_str = Base64.encodeToString(array, 0);
314                     url = new URL(url_str);
315                     httpURLKonekcija = (URLConnection)
url.openConnection();
316                     httpURLKonekcija.setRequestMethod("POST");
317                     httpURLKonekcija.setDoOutput(true);
318                     httpURLKonekcija.setDoInput(true);
319                     izlazniStream = httpURLKonekcija.getOutputStream();
320                     bufferPisac = new BufferedWriter(new
OutputStreamWriter(
321     izlazniStream, "UTF-8"));
322                     post_data = URLEncoder.encode("slika_str", "UTF-8")
+
323     "=" + URLEncoder.encode(slika_str, "UTF-8")
+
324     "&" + URLEncoder.encode("ime", "UTF-8") +
325     "=" + URLEncoder.encode("Slika", "UTF-8") +
326     "&" + URLEncoder.encode("id_prijenos",
"UTF-8") +
327     "=" + URLEncoder.encode(podaci[0], "UTF-
8");
328                     bufferPisac.write(post_data);
329                     bufferPisac.flush();
330                     bufferPisac.close();
331                     izlazniStream.close();
332                     Log.i("MOJ","Slika_str poslano: "+slika_str);
333                     ulazniStream = httpURLKonekcija.getInputStream();
334                     bufferCitac = new BufferedReader(new
InputStreamReader(ulazniStream,
335     "UTF-8"));

```

```

336         rezultat_s = "";
337         linija = "";
338         while ((linija = bufferCitac.readLine()) != null) {
339             rezultat_s += linija;
340         }
341         if (rezultat_s.equals("neuspjesno_slika")) {
342             return rezultat_s;
343         }
344         bufferCitac.close();
345         ulazniStream.close();
346         httpURLKonekcija.disconnect();
347     } catch (MalformedURLException e) {
348         e.printStackTrace();
349     } catch (IOException e) {
350         e.printStackTrace();
351     }
352 }
353 }
354 }
355     return rezultat;
356 } catch (MalformedURLException e) {
357     e.printStackTrace();
358 } catch (IOException e) {
359     e.printStackTrace();
360 }
361 }
362 if (tip.equals("dohvat_lista")) {
363     url_str = "http://" + ip + "/zavrsnirad/dohvat.php";
364     String id = parametar[1];
365     try {
366         url = new URL(url_str);
367         httpURLKonekcija = (HttpURLConnection)url.openConnection();
368         httpURLKonekcija.setRequestMethod("POST");
369         httpURLKonekcija.setDoOutput(true);
370         httpURLKonekcija.setDoInput(true);
371         izlazniStream = httpURLKonekcija.getOutputStream();
372         bufferPisac = new BufferedWriter(new
OutputStreamWriter(izlazniStream, "UTF-8"));
373         post_data = URLEncoder.encode("tip", "UTF-
8")+"="+URLEncoder.encode(tip, "UTF-8")+
374             "&"+URLEncoder.encode("id", "UTF-
8")+"="+URLEncoder.encode(id, "UTF-8");
375         bufferPisac.write(post_data);
376         bufferPisac.flush();
377         bufferPisac.close();
378         izlazniStream.close();
379         ulazniStream = httpURLKonekcija.getInputStream();
380         bufferCitac = new BufferedReader(new
InputStreamReader(ulazniStream, "UTF-8"));
381         rezultat = "";
382         linija = "";
383         while ((linija = bufferCitac.readLine()) != null) {
384             rezultat += linija;
385         }
386         bufferCitac.close();
387         ulazniStream.close();
388         httpURLKonekcija.disconnect();
389         return rezultat;
390     } catch (MalformedURLException e) {
391         e.printStackTrace();
392     } catch (IOException e) {
393         e.printStackTrace();
394     }
395 }
396 if (tip.equals("dohvat_slika")) {
397     url_str = "http://" + ip + "/zavrsnirad/dohvat.php";
398     String id = parametar[1];
399     try {
400         url = new URL(url_str);
401         httpURLKonekcija = (HttpURLConnection)url.openConnection();

```

```

402         httpURLKonekcija.setRequestMethod("POST");
403         httpURLKonekcija.setDoOutput(true);
404         httpURLKonekcija.setDoInput(true);
405         izlazniStream = httpURLKonekcija.getOutputStream();
406         bufferPisac = new BufferedWriter(new
OutputStreamWriter(izlazniStream, "UTF-8"));
407         post_data = URLEncoder.encode("tip", "UTF-
8")+ "=" + URLEncoder.encode("tip", "UTF-8")+
408             "&" + URLEncoder.encode("id", "UTF-
8")+ "=" + URLEncoder.encode(id, "UTF-8");
409         bufferPisac.write(post_data);
410         bufferPisac.flush();
411         bufferPisac.close();
412         izlazniStream.close();
413         ulazniStream = httpURLKonekcija.getInputStream();
414         bufferCitac = new BufferedReader(new
InputStreamReader(ulazniStream, "UTF-8"));
415         rezultat = "";
416         linija = "";
417         while((linija = bufferCitac.readLine()) != null) {
418             rezultat += linija;
419         }
420         bufferCitac.close();
421         ulazniStream.close();
422         httpURLKonekcija.disconnect();
423         return rezultat;
424     } catch (MalformedURLException e) {
425         e.printStackTrace();
426     } catch (IOException e) {
427         e.printStackTrace();
428     }
429 }
430 return null;
431 }
432 @Override
433 protected void onPreExecute() { }
434 @Override
435 protected void onPostExecute(String rezultat) {
436     if(tip.equals("login")) {
437         String[] podaci = new String[0];
438         String split[] = rezultat.split("/");
439         if (split[0].equals("uspjesno_login")) {
440             JSONArray jsonArray = null;
441             try {
442                 jsonArray = new JSONArray(split[1]);
443                 podaci = new String[jsonArray.length()];
444                 for (int i = 0; i < jsonArray.length(); i++) {
445                     podaci[i] = jsonArray.getString(i);
446                 }
447             } catch (JSONException e) {
448                 e.printStackTrace();
449             }
450             ((Varijable)
kontekst.getApplicationContext()).setVar_user(Integer.parseInt
451                 (podaci[0]));
452             ((Varijable)
kontekst.getApplicationContext()).setVar_oib(podaci[1]);
453             ((Varijable)
kontekst.getApplicationContext()).setVar_ime(podaci[2]);
454             ((Varijable)
kontekst.getApplicationContext()).setVar_prezime(podaci[3]);
455             ((Varijable)
kontekst.getApplicationContext()).setVar_korisnicko_ime(podaci[4]);
456             ((Varijable)
kontekst.getApplicationContext()).setVar_lozinka(podaci[5]);
457             ((Varijable) kontekst.getApplicationContext()).setVar_log("ne");
458             Toast.makeText(kontekst, "Prijavljeni ste!",
Toast.LENGTH_LONG).show();
459             ((Login_Activity) kontekst).prijavljeno_set();
460         }

```

```

461         if (rezultat.equals("neuspjesno_login")){
462             Toast.makeText(kontekst, "Prijava nije uspjela!",
Toast.LENGTH_LONG).show();
463         }
464     }
465     if (tip.equals("reg")){
466         if (rezultat.equals("uspjesno_reg")) {
467             Toast.makeText(kontekst, "Registracija je uspjela, možete se
prijaviti.",
468                 Toast.LENGTH_LONG).show();
469             ((Registracija_Activity) kontekst).registrirano();
470         }
471         if (rezultat.equals("neuspjesno_reg")){
472             Toast.makeText(kontekst, "Registracija nije uspjela!",
Toast.LENGTH_LONG)
473                 .show();
474         }
475     }
476     if (tip.equals("promjena")) {
477         String[] podaci = new String[0];
478         String split[] = rezultat.split("//");
479         if (split[0].equals("uspjesno_promjena")) {
480             JSONArray jsonArray = null;
481             try {
482                 jsonArray = new JSONArray(split[1]);
483                 podaci = new String[jsonArray.length()];
484                 for (int i = 0; i < jsonArray.length(); i++) {
485                     podaci[i] = jsonArray.getString(i);
486                 }
487             } catch (JSONException e) {
488                 e.printStackTrace();
489             }
490             ((Varijable)
kontekst.getApplicationContext()).setVar_user(Integer.parseInt
491                 (podaci[0]));
492             ((Varijable)
kontekst.getApplicationContext()).setVar_oib(podaci[1]);
493             ((Varijable)
kontekst.getApplicationContext()).setVar_ime(podaci[2]);
494             ((Varijable)
kontekst.getApplicationContext()).setVar_prezime(podaci[3]);
495             ((Varijable)
kontekst.getApplicationContext()).setVar_korisnicko_ime(podaci[4]);
496             ((Varijable)
kontekst.getApplicationContext()).setVar_lozinka(podaci[5]);
497             ((Varijable) kontekst.getApplicationContext()).setVar_log("ne");
498             Toast.makeText(kontekst, "Uspješno ste promjenili profil.",
Toast.LENGTH_LONG)
499                 .show();
500         }
501         if (rezultat.equals("neuspjesno_promjena")){
502             Toast.makeText(kontekst, "Izmjena profila nije uspjela!",
Toast.LENGTH_LONG)
503                 .show();
504         }
505     }
506     if (tip.equals("brisanje")){
507         if (rezultat.equals("uspjesno_brisanje")) {
508             Toast.makeText(kontekst, "Uspješno ste izbrisali profil.",
Toast.LENGTH_LONG)
509                 .show();
510             ((Postavke_Activity) kontekst).odjava();
511         }
512         if (rezultat.equals("neuspjesno_brisanje")){
513             Toast.makeText(kontekst, "Brisanje profila nije uspjelo!",
Toast.LENGTH_LONG).show();
514         }
515     }
516     if (tip.equals("prijava")){
517         String split[] = rezultat.split("//");

```



```

518         if (split[0].equals("uspjesno_prijava")) {
519             if(((Varijable)
    kontekst.getApplicationContext().getVar_anon().equals("da")){
520                 ((Varijable)
    kontekst.getApplicationContext()).setVar_anon("ne");
521             }
522             Toast.makeText(kontekst, "Prijava je uspjela!",
    Toast.LENGTH_LONG).show();
523             ((Prijava_Activity) kontekst).poslano();
524         }
525         if (rezultat.equals("neuspjesno_prijava")){
526             Toast.makeText(kontekst, "Prijava nije uspjela!",
    Toast.LENGTH_LONG).show();
527         }
528         if(rezultat.equals("neuspjesno_slika")){
529             Toast.makeText(kontekst, "Prijava nije uspjela, ne možemo poslati
    slike!", Toast.LENGTH_LONG).show();
530         }
531     }
532     if(tip.equals("dohvat_lista")){
533         String[] podacil = new String[0];
534         String split[] = rezultat.split("/");
535         if (split[0].equals("uspjesno_dohvat_lista")) {
536             JSONArray jsonArray = null;
537             Toast.makeText(kontekst, "Dohvaćena lista prijava.",
    Toast.LENGTH_LONG).show();
538             try {
539                 jsonArray = new JSONArray(split[1]);
540                 podacil = new String[jsonArray.length()];
541                 for (int i = 0; i < jsonArray.length(); i++) {
542                     podacil[i] = jsonArray.getString(i);
543                 }
544             } catch (JSONException e) {
545                 e.printStackTrace();
546             }
547             for(int i = 0; i < podacil.length; i++){
548                 ((PovPrijava_Activity) kontekst).obradaPodaci(podacil[i]);
549                 if((podacil.length-1)==i){
550                     ((PovPrijava_Activity) kontekst).postavljanje();
551                 }
552             }
553         }
554         if (split[0].equals("neuspjesno_dohvat_lista")){
555             Toast.makeText(kontekst, "Neuspješno dohvaćena lista prijava!!!",
    Toast.LENGTH_LONG).show();
556         }
557     }
558     if(tip.equals("dohvat_slika")){
559         String[] podacil = new String[0];
560         String split[] = rezultat.split("/");
561         if (split[0].equals("uspjesno_dohvat_slika")) {
562             JSONArray jsonArray = null;
563             Toast.makeText(kontekst, "Dohvaćene slike prijave.",
    Toast.LENGTH_LONG).show();
564             try {
565                 jsonArray = new JSONArray(split[1]);
566                 podacil = new String[jsonArray.length()];
567                 for (int i = 0; i < jsonArray.length(); i++) {
568                     podacil[i] = jsonArray.getString(i);
569                 }
570             } catch (JSONException e) {
571                 e.printStackTrace();
572             }
573             for(int i = 0; i < podacil.length; i++){
574                 ((PovPrijava_Activity) kontekst).obradaSlike(podacil[i]);
575                 if((podacil.length-1)==i){
576                     ((PovPrijava_Activity) kontekst).spremanjeSlika();
577                 }
578             }
579         }

```



```

580         if (split[0].equals("neuspjesno_dohvat_slika")){
581             Toast.makeText(kontekst, "Neuspješno dohvaćene slike prijave!!!",
Toast.LENGTH_LONG).show();
582         }
583     }
584 }
585 @Override
586 protected void onProgressUpdate(Integer... values) {
super.onProgressUpdate(values); }
587 }

```

## Lokacije\_Glavna\_Activity.java

```

1  package com.unin.kl.zavrzni_rad_kl;
2  import android.Manifest;
3  import android.annotation.SuppressLint;
4  import android.content.Context;
5  import android.content.Intent;
6  import android.content.SharedPreferences;
7  import android.content.pm.PackageManager;
8  import android.database.Cursor;
9  import android.graphics.Color;
10 import android.location.Location;
11 import android.location.LocationListener;
12 import android.location.LocationManager;
13 import android.os.Bundle;
14 import androidx.appcompat.app.AppCompatActivity;
15 import androidx.core.app.ActivityCompat;
16 import android.view.View;
17 import android.view.Menu;
18 import android.view.MenuItem;
19 import android.widget.TextView;
20 import android.widget.Toast;
21 import com.google.android.gms.maps.CameraUpdateFactory;
22 import com.google.android.gms.maps.GoogleMap;
23 import com.google.android.gms.maps.MapFragment;
24 import com.google.android.gms.maps.OnMapReadyCallback;
25 import com.google.android.gms.maps.model.BitmapDescriptorFactory;
26 import com.google.android.gms.maps.model.LatLng;
27 import com.google.android.gms.maps.model.LatLngBounds;
28 import com.google.android.gms.maps.model.MarkerOptions;
29 import com.google.android.gms.maps.model.PolylineOptions;
30 import java.text.SimpleDateFormat;
31 import java.util.ArrayList;
32 import java.util.Date;
33 public class Lokacije_Glavna_Activity extends AppCompatActivity implements
OnMapReadyCallback {
34     public TextView lat_tv;
35     public TextView long_tv;
36     public TextView vis_tv;
37     double lat = 0;
38     double lon = 0;
39     double vis = 0;
40     String lat_pr = "";
41     String lon_pr = "";
42     String vis_pr = "";
43     float acc = 0;
44     float bear = 0;
45     String prov = "";
46     float speed = 0;
47     long fix_time = 0;
48     long fix_pass_time = 0;
49     boolean zas1 = false;
50     boolean zas2 = false;
51     boolean zas3 = false;
52     boolean zas4 = false;
53     boolean zast1 = false;
54     public GoogleMap mMap;
55     int lok_up = 0;
56     String lat_lon = "";
57     String vrijeme = "";

```

```

58     String vrijeme_sprem = "";
59     String def = " ??? ";
60     static MojaBP mojaBP;
61     @SuppressWarnings("MissingPermission")
62     @Override
63     protected void onCreate(Bundle savedInstanceState) {
64         super.onCreate(savedInstanceState);
65         setContentView(R.layout.activity_lokacije_glavna);
66         lat_tv = (TextView) findViewById(R.id.lattextView);
67         long_tv = (TextView) findViewById(R.id.lontextView);
68         vis_tv = (TextView) findViewById(R.id.visinatextView);
69         lat_tv.setText(def);
70         long_tv.setText(def);
71         vis_tv.setText(def);
72         mojaBP = new MojaBP(this);
73         MapFragment mapFragment = (MapFragment)
74         fragmentManager().findFragmentById(R.id.map1);
75         mapFragment.getMapAsync(this);
76         LocationManager lm = (LocationManager)
77         this.getSystemService(Context.LOCATION_SERVICE);
78         LocationListener ll = new LocationListener() {
79             public void onLocationChanged(Location loc) {
80                 if (zas1 == true) {
81                     lat_tv.setText(String.valueOf(loc.convert(loc.getLatitude(),
82                     loc.FORMAT_SECONDS)));
83                     long_tv.setText(String.valueOf(loc.convert(loc.getLongitude(),
84                     loc.FORMAT_SECONDS)));
85                     vis_tv.setText(String.valueOf(loc.getAltitude()));
86                     lat = Double.valueOf(loc.getLatitude());
87                     lon = Double.valueOf(loc.getLongitude());
88                     vis = Double.valueOf(loc.getAltitude());
89                     lat_pr = String.valueOf(loc.convert(loc.getLatitude(),
90                     loc.FORMAT_SECONDS));
91                     lon_pr = String.valueOf(loc.convert(loc.getLongitude(),
92                     loc.FORMAT_SECONDS));
93                     vis_pr = String.valueOf(loc.getAltitude());
94                     acc = loc.getAccuracy();
95                     bear = loc.getBearing();
96                     prov = loc.getProvider();
97                     speed = loc.getSpeed();
98                     fix_time = loc.getTime();
99                     fix_pass_time = loc.getElapsedRealtimeNanos();
100                    SharedPreferences sp =
101                    getSharedPreferences("SP_LOKACIJA_STVARI", MODE_PRIVATE);
102                    SharedPreferences.Editor sped = sp.edit();
103                    sped.putString("lat", String.valueOf(lat));
104                    sped.putString("lon", String.valueOf(lon));
105                    sped.putString("vis", String.valueOf(vis));
106                    sped.putString("acc", String.valueOf(acc));
107                    sped.putString("bear", String.valueOf(bear));
108                    sped.putString("prov", String.valueOf(prov));
109                    sped.putString("speed", String.valueOf(speed));
110                    sped.putString("fix_time", String.valueOf(fix_time));
111                    sped.putString("fix_pass_time", String.valueOf(fix_pass_time));
112                    sped.commit();
113                    LatLng moja_lokacija = new LatLng(lat, lon);
114                    mMap.clear();
115                    mMap.addMarker(new
116                    MarkerOptions().position(moja_lokacija).title("TRENUTNA LOKACIJA"));
117                    mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija, 19));
118                    zas4 = true;
119                    zas3 = true;
120                    if (zas2 == true) {
121                        snimanje();
122                    }
123                    } else {
124                        lat_tv.setText(" ??? ");
125                        long_tv.setText(" ??? ");
126                        vis_tv.setText(" ??? ");

```

```

119         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0,
120 0), 1));
121     }
122 }
123     public void onStatusChanged(String provider, int status, Bundle extras)
124 {
125     public void onProviderEnabled(String provider) {
126     }
127     public void onProviderDisabled(String provider) {
128     }
129 };
130     if (ActivityCompat.checkSelfPermission(this,
131 Manifest.permission.ACCESS_FINE_LOCATION)
132 != PackageManager.PERMISSION_GRANTED
133 && ActivityCompat.checkSelfPermission(this,
134 Manifest.permission.ACCESS_COARSE_LOCATION)
135 != PackageManager.PERMISSION_GRANTED) {
136     return;
137 }
138     lm.requestLocationUpdates(LocationManager.GPS_PROVIDER, 100, 0, ll);
139 }
140 @Override
141     public void onMapReady(GoogleMap googleMap) {
142     mMap = googleMap;
143     postaviKartu();
144 }
145     void postaviKartu() {
146     mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
147 }
148     public void klikSnimaj(View v) {
149     if (zas1 == false && zas4 == false) {
150     Toast.makeText(getApplicationContext(), "NE MOŽETE PRATITI NEMATE
151 LOKACIJU!",
152 Toast.LENGTH_SHORT).show();
153     } else {
154     Toast.makeText(getApplicationContext(), "PRATIM KRETANJE",
155 Toast.LENGTH_SHORT)
156 .show();
157     SharedPreferences sp = getSharedPreferences("SPREMANJE_kretanje:",
158 MODE_PRIVATE);
159     SharedPreferences.Editor sped = sp.edit();
160     sped.clear().commit();
161     sped.commit();
162     lok_up = 1;
163     zas2 = true;
164     if (lat != 0 || lon != 0) {
165     snimanje();
166     }
167 }
168     public void klikLociraj(View v) {
169     if (zast1 == true) {
170     zas1 = false;
171     Toast.makeText(getApplicationContext(), "NE TRAŽIM LOKACIJU",
172 Toast.LENGTH_SHORT)
173 .show();
174     lat_tv.setText(def);
175     long_tv.setText(def);
176     vis_tv.setText(def);
177     mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0),
178 1));
179     mMap.clear();
180     zast1 = false;
181     } else {
182     Toast.makeText(getApplicationContext(), "TRAŽIM LOKACIJU",
183 Toast.LENGTH_SHORT)
184 .show();
185     zast1 = true;
186     zas1 = true;
187     if (lat != 0 && lon != 0 && zas3 == false) {
188     LatLng moja_lokacija = new LatLng(lat, lon);

```

```

181         mMap.clear();
182         mMap.addMarker(new
MarkerOptions().position(moja_lokacija).title("TRENUTNA LOKACIJA"));
183         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija,
19));
184         lat_tv.setText(lat_pr);
185         long_tv.setText(lon_pr);
186         vis_tv.setText(vis_pr);
187     }
188 }
189 }
190 public void klikStani(View v){
191     zas2=false;
192     Toast.makeText(getApplicationContext(), "PRESTAO SAM SNIMATI KRETANJE",
Toast.LENGTH_SHORT).show();
193 }
194 public void klikPokazi_RUTU(View v) {
195     ArrayList<LatLng> koordList = new ArrayList<LatLng>();
196     String pom1 = "prazno";
197     LatLng moja_lokacija_zadnja = new LatLng(0, 0);
198     LatLng moja_lokacija_prva = new LatLng(0, 0);
199     mMap.clear();
200     SharedPreferences sp = getSharedPreferences("SPREMANJE_kretanje:",
MODE_PRIVATE);
201     pom1 = sp.getString("lok_up", "prazno");
202     if (pom1 != "prazno") {
203         lok_up = Integer.parseInt(pom1);
204         LatLngBounds.Builder builder = new LatLngBounds.Builder();
205         for (int i = 1; i <= lok_up; i++) {
206             lat_lon = sp.getString("lat_lon" + Integer.toString(i), "prazno");
207             if (lat_lon != "prazno") {
208                 String racun[] = lat_lon.split("\\|");
209                 lat = Double.valueOf(racun[0]);
210                 lon = Double.valueOf(racun[1]);
211                 koordList.add(new LatLng(lat, lon));
212                 builder.include(new LatLng(lat, lon));
213                 if(i==lok_up){ moja_lokacija_zadnja = new LatLng(lat, lon); }
214                 if(i==1){ moja_lokacija_prva = new LatLng(lat, lon); }
215             }
216         }
217         LatLngBounds podrZoma = builder.build();
218         mMap.clear();
219         mMap.addMarker(new MarkerOptions().position(moja_lokacija_zadnja)
220             .title("ZADNJA LOKACIJA").icon
221             (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_RED)));
222         mMap.addMarker(new MarkerOptions().position(moja_lokacija_prva)
223             .title("PRVA LOKACIJA").icon
224             (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_AZURE)));
225         PolylineOptions polylineOptions = new
PolylineOptions().width(5).color(Color.RED);
226         polylineOptions.addAll(koordList);
227         mMap.addPolyline(polylineOptions);
228         mMap.moveCamera(CameraUpdateFactory.newLatLngBounds(podrZoma, 50));
229     }else{Toast.makeText(getApplicationContext(), "NEMATE RUTU",
Toast.LENGTH_SHORT).show();}
230 }
231 public void klikSpremiSnimanol(View view){
232     String pom3 = "";
233     Integer id_rut = 0;
234     Integer id_lok_rut = 0;
235     vrijeme = new SimpleDateFormat("dd.MM.yyyy. HH:mm:ss").format(new Date());
236     SharedPreferences spl = getSharedPreferences("SPREMANJE_kretanje:",
MODE_PRIVATE);
237     pom3 = spl.getString("lok_up", "prazno");
238     if (pom3 != "prazno"){
239         Cursor max_id_RUT = mojaBP.max_id_rut();
240         Cursor max_id_RUT_LOK = mojaBP.max_id_rut_lok();
241         max_id_RUT.moveToPosition(0);

```

```

242         max_id_RUT_LOK.moveToPosition(0);
243         Integer max_id_rut = max_id_RUT.getInt(0);
244         Integer max_id_rut_lok = max_id_RUT_LOK.getInt(0);
245         if(max_id_rut == 0){ id_rut=1; }else{id_rut = max_id_rut + 1;}
246         if(max_id_rut_lok == 0){ id_lok_rut=1; }else{id_lok_rut =
max_id_rut_lok + 1;}
247         for (int i = 1; i <= Integer.valueOf(pom3); i++){
248             lat_lon = spl.getString("lat_lon" + Integer.toString(i), "prazno");
249             id_lok_rut=i;
250             boolean snimljeno_RUT = mojaBP.spremiPodatke_RUT(lat_lon, vrijeme,
251                 id_lok_rut, id_rut);
252             if(snimljeno_RUT != true){
253                 Toast.makeText(getApplicationContext(),
254                     "ERROR: NISTE SPREMILI PODATKE U BP",
Toast.LENGTH_SHORT).show();
255             }
256         }else{Toast.makeText(getApplicationContext(),
257             "NEMATE RUTU ZA SPREMITI!", Toast.LENGTH_SHORT).show();}
259     }
260     void snimanje(){
261         SharedPreferences sp = getSharedPreferences("SPREMANJE_kretanje:",
MODE_PRIVATE);
262         SharedPreferences.Editor sped = sp.edit();
263         sped.putString("lok_up",Integer.toString(lok_up));
264         lat_lon = String.valueOf(lat)+"|"+String.valueOf(lon);
265         sped.putString("lat_lon" + Integer.toString(lok_up),
String.valueOf(lat_lon));
266         lok_up++;
267         sped.commit();
268     }
269     public void klikPokazSveSnimano(View v){
270         Intent inte= new Intent(Lokacije_Glavna_Activity.this,
Lokacije_PovKret_Activity.class);
271         startActivity(inte);
272     }
273     public void klikLocirajPokaziSpr(View v){
274         Intent intel= new Intent(Lokacije_Glavna_Activity.this,
Lokacije_Pov_Activity.class);
275         startActivity(intel);
276     }
277     public void klikLocirajSpremi(View v){
278         vrijeme_sprem = new SimpleDateFormat("dd.MM.yyyy. HH:mm:ss").format(new
Date());
279         if(zas4 == true){
280             String lat_s = String.valueOf(lat);
281             String lon_s = String.valueOf(lon);
282             String vis_s = String.valueOf(vis);
283             String acc_s = String.valueOf(acc);
284             String bear_s = String.valueOf(bear);
285             String prov_s = String.valueOf(prov);
286             String speed_s = String.valueOf(speed);
287             String fix_time_s = String.valueOf(fix_time);
288             String fix_pass_time_s = String.valueOf(fix_pass_time);
289             String fix_time_s_f = new SimpleDateFormat("dd.MM.yyyy. HH:mm:ss")
290                 .format(fix_time);
291             boolean snimljeno = mojaBP.spremiPodatke_LOK(lat_s, lon_s, vis_s,
292                 vrijeme_sprem, acc_s, bear_s, prov_s, speed_s, fix_time_s,
fix_time_s_f,
293                 fix_pass_time_s);
294             if(snimljeno != true){
295                 Toast.makeText(getApplicationContext(), "ERROR: NISTE SPREMILI
PODATKE U BP",
296                     Toast.LENGTH_SHORT).show();
297             }
298         }
299     else{
300         lat_tv.setText(def);
301         long_tv.setText(def);
302         vis_tv.setText(def);

```

```

303     }
304 }
305 @Override
306 public boolean onCreateOptionsMenu(Menu menu) {
307     getMenuInflater().inflate(R.menu.menu_glavna_lokacije, menu);
308     return true;}
309 @Override
310 public boolean onOptionsItemSelected(MenuItem item) {
311     int id = item.getItemId();
312     if (id == R.id.oprog) {
313         Intent inte= new Intent(Lokacije_Glavna_Activity.this,
314     Oprog_Activity.class);
315         startActivity(inte);
316     }
317     if (id == R.id.pri || id == R.id.pri2) {
318         Intent inte= new Intent(Lokacije_Glavna_Activity.this,
319     Login_Activity.class);
320         startActivity(inte);
321         finish();
322     }
323 }

```

## Lokacije\_Pov\_Activity.java

```

1  package com.unin.kl.zavrzni_rad_kl;
2  import android.app.AlertDialog;
3  import android.content.DialogInterface;
4  import android.content.Intent;
5  import android.content.SharedPreferences;
6  import android.database.Cursor;
7  import android.os.Bundle;
8  import androidx.appcompat.app.AppCompatActivity;
9  import androidx.appcompat.widget.Toolbar;
10 import android.view.Menu;
11 import android.view.MenuItem;
12 import android.view.View;
13 import android.widget.AdapterView;
14 import android.widget.AdapterView.OnItemClickListener;
15 import android.widget.ArrayAdapter;
16 import android.widget.ListView;
17 import android.widget.Toast;
18 import com.google.android.gms.maps.CameraUpdateFactory;
19 import com.google.android.gms.maps.GoogleMap;
20 import com.google.android.gms.maps.MapFragment;
21 import com.google.android.gms.maps.OnMapReadyCallback;
22 import com.google.android.gms.maps.model.LatLng;
23 import com.google.android.gms.maps.model.MarkerOptions;
24 import java.util.ArrayList;
25 public class Lokacije_Pov_Activity extends AppCompatActivity implements
26 OnMapReadyCallback {
27     public GoogleMap mMap;
28     String broj_spremanja_str = "0";
29     String del_id = "";
30     int broj_spremanja = 0;
31     ListView popisLV1;
32     ArrayList<String> mojiPodacil;
33     ArrayAdapter<String> mojAdapterLok2;
34     boolean zast=false;
35     static MojaBP mojaBP;
36     private static Lokacije_Pov_Activity sLokacije_Pov_Activity;
37     boolean zas_b = false;
38 @Override
39 protected void onCreate(Bundle savedInstanceState) {
40     super.onCreate(savedInstanceState);
41     setContentView(R.layout.activity_lokacije_pov);
42     Toolbar toolbar3 = (Toolbar) findViewById(R.id.toolbar3);
43     setSupportActionBar(toolbar3);
44     mojaBP = new MojaBP(this);
45     popisLV1 = (ListView) findViewById(R.id.listView_lokacije);

```

```

45     mojiPodacil = new ArrayList<String>();
46     mojAdapterLok2 = new MojAdapterLok2(this,
R.layout.moj_layout_lokacije_pov2,
47         mojiPodacil);
48     popisLV1.setAdapter(mojAdapterLok2);
49     MapFragment mapFragment = (MapFragment)
getFragmentManager().findFragmentById(R.id.map3);
50     mapFragment.getMapAsync(this);
51     sLokacije_Pov_Activity = this;
52     popisLV1.setOnItemClickListener(new AdapterView.OnItemClickListener() {
53         @Override
54         public void onItemClick(AdapterView<?> parent, View view, int position,
long id) {
55             broj_spremanja_str =
String.valueOf(parent.getItemIdAtPosition(position));
56             broj_spremanja = Integer.parseInt(broj_spremanja_str);
57             pokazi2();
58         }
59     });
60     popisLV1.setOnItemLongClickListener(new
AdapterView.OnItemLongClickListener() {
61         @Override
62         public boolean onItemClick(AdapterView<?> parent, View view, int
position, long id){
63             broj_spremanja_str =
String.valueOf(parent.getItemIdAtPosition(position));
64             broj_spremanja = Integer.parseInt(broj_spremanja_str);
65             final ArrayList<String> mojePolje=new ArrayList<String>();
66             mojePolje.add("POSTAVI KAO METU 1");
67             mojePolje.add("POSTAVI KAO METU 2");
68             mojePolje.add("IZBRIŠI");
69             CharSequence[] tmp;
70             tmp = mojePolje.toArray(new CharSequence[mojePolje.size()]);
71             AlertDialog.Builder builder1=new
AlertDialog.Builder(Lokacije_Pov_Activity.this);
72             builder1.setTitle("Izbor");
73             builder1.setItems(tmp, new DialogInterface.OnClickListener() {
74                 @Override
75                 public void onClick(DialogInterface dialog, int which) {
76                     if(mojePolje.get(which)=="IZBRIŠI"){ obrisiPritisnuto(); }
77                     if(mojePolje.get(which)=="POSTAVI KAO METU 1"){ sp_tar1();
78
79                     if(mojePolje.get(which)=="POSTAVI KAO METU 2"){ sp_tar2();
80
81                 }
82             });
83             builder1.setCancelable(false);
84             builder1.setPositiveButton("Zatvori", null);
85             AlertDialog alert = builder1.create();
86             builder1.show();
87             return true;
88         }
89     });
90     @Override
91     public void onMapReady(GoogleMap googleMap) {
92         mMap = googleMap;
93         postaviKartu();
94     }
95     void postaviKartu (){
96         mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
97     }
98     @Override
99     protected void onStart() {
100         super.onStart();
101         pokazil();
102         zast=false;
103     }
104     @Override
105     public boolean onCreateOptionsMenu(Menu menu) {

```



```

105     getMenuInflater().inflate(R.menu.menu_lokacije_pov, menu);
106     return true;
107 }
108 @Override
109 public boolean onOptionsItemSelected(MenuItem item) {
110     int id = item.getItemId();
111     if (id == R.id.oprog) {
112         Intent inte= new Intent(Lokacije_Pov_Activity.this,
Oprog_Activity.class);
113         inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
114         startActivity(inte);
115         finish();
116     }
117     if (id == R.id.comp) {
118         SharedPreferences sp2 = getSharedPreferences("SP_USPOREDBA",
MODE_PRIVATE);
119         String pom1 = sp2.getString("id1", "prazno");
120         String pom2 = sp2.getString("id2", "prazno");
121         if(pom1.equals("prazno") || pom2.equals("prazno")) {
122             Toast.makeText(getApplicationContext(), "MORATE DODATI DVIJE
METE!",
123                 Toast.LENGTH_SHORT).show();
124         }else{
125             Intent inte = new Intent(Lokacije_Pov_Activity.this,
Lokacije_comp.class);
126             startActivity(inte);
127         }
128     }
129 }
130 if (id == R.id.lok || id == R.id.lok2) {
131     Intent inte= new Intent(Lokacije_Pov_Activity.this,
Lokacije_Glavna_Activity.class);
132     inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
133     startActivity(inte);
134     finish();
135 }
136 if (id == R.id.pri || id == R.id.pri2) {
137     Intent inte= new Intent(Lokacije_Pov_Activity.this,
Login_Activity.class);
138     startActivity(inte);
139     finish();
140 }
141 if (id == R.id.brisi_lok_pov) {
142     zas_b = true;
143     obrisiPritisnuto();
144 }
145 return super.onOptionsItemSelected(item);
146 }
147 public static Lokacije_Pov_Activity getInstance() { return
sLokacije_Pov_Activity; }
148 public void pokazil(){
149     Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
150     if (podaci_LOK.getCount() == 0) {
151         mojiPodaci1.clear();
152         mojAdapterLok2.notifyDataSetChanged();
153         if(zast==true){
154             mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0),
155 1));
156             mMap.clear();
157         }
158         return;
159     }
160     mojiPodaci1.clear();
161     while (podaci_LOK.moveToNext()){
162         String pod = podaci_LOK.getString(0) + "*" +
163             podaci_LOK.getString(1) + "&" +
164             podaci_LOK.getString(2) + "?" + podaci_LOK.getString(10);
165         mojiPodaci1.add(pod);
166         mojAdapterLok2.notifyDataSetChanged();
167     }
168 }

```



```

169     public void pokazi2(){
170         Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
171         podaci_LOK.moveToPosition(broj_spremanja);
172         String lat = podaci_LOK.getString(1);
173         String lon = podaci_LOK.getString(2);
174         String vrijeme = podaci_LOK.getString(10);
175         LatLng moja_lokacija = new LatLng(Double.valueOf(lat),
Double.valueOf(lon));
176         mMap.clear();
177         mMap.addMarker(new MarkerOptions().position(moja_lokacija).title("TRENUTNA
LOKACIJA " +
178             vrijeme));
179         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija, 19));
180     }
181     public void obrisiPritisnuto() {
182         AlertDialog.Builder builder=new AlertDialog.Builder(this);
183         builder.setTitle("Upozorenje").setMessage("Da li želite izbrisati?");
184         builder.setCancelable(false);
185         builder.setNegativeButton("NE", new DialogInterface.OnClickListener() {
186             @Override
187             public void onClick(DialogInterface dialog, int which) {
188                 klikNe();
189             }
190         });
191         builder.setPositiveButton("DA", new DialogInterface.OnClickListener() {
192             @Override
193             public void onClick(DialogInterface dialog, int which) {
194                 klikDa();
195             }
196         });
197         AlertDialog poruka=builder.create();
198         poruka.show();
199     }
200     public void klikNe(){ zas_b = false; }
201     public void klikDa(){
202         if(zas_b == false) {
203             Object item = popisLV1.getItemAtPosition(broj_spremanja);
204             String value = item.toString();
205             String split1[] = value.split("\\*");
206             del_id = split1[0];
207             Integer deleteRed = mojaBP.obrisiStavku_LOK(String.valueOf(del_id));
208             SharedPreferences sp2 = getSharedPreferences("SP_USPOREDBA",
MODE_PRIVATE);
209             String pom1 = sp2.getString("id1", "prazno");
210             String pom2 = sp2.getString("id2", "prazno");
211             if(pom1.equals(del_id)){
212                 SharedPreferences.Editor sped2 = sp2.edit();
213                 sped2.putString("id1", "prazno");
214                 sped2.commit();
215             }
216             if(pom2.equals(del_id)){
217                 SharedPreferences.Editor sped2 = sp2.edit();
218                 sped2.putString("id2", "prazno");
219                 sped2.commit();
220             }
221         }
222         if(zas_b == true){
223             zas_b = false;
224             mojaBP.obrisiPodatke_LOK();
225             SharedPreferences sp = getSharedPreferences("SP_USPOREDBA",
MODE_PRIVATE);
226             SharedPreferences.Editor sped = sp.edit();
227             sped.putString("id1", "prazno");
228             sped.commit();
229             SharedPreferences sp1 = getSharedPreferences("SP_USPOREDBA",
MODE_PRIVATE);
230             SharedPreferences.Editor sped1 = sp1.edit();
231             sped1.putString("id1", "prazno");
232             sped1.commit();
233         }

```

```

234     mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0), 1));
235     mMap.clear();
236     pokazil();
237 }
238 public void sp_tar1(){
239     Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
240     podaci_LOK.moveToPosition(broj_spremanja);
241     String id1 = podaci_LOK.getString(0);
242     SharedPreferences sp = getSharedPreferences("SP_USPOREDBA", MODE_PRIVATE);
243     SharedPreferences.Editor sped = sp.edit();
244     sped.putString("id1",id1);
245     sped.commit();
246 }
247 public void sp_tar2(){
248     Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
249     podaci_LOK.moveToPosition(broj_spremanja);
250     String id2 = podaci_LOK.getString(0);
251     SharedPreferences sp1 = getSharedPreferences("SP_USPOREDBA", MODE_PRIVATE);
252     SharedPreferences.Editor sped1 = sp1.edit();
253     sped1.putString("id2",id2);
254     sped1.commit();
255 }
256 }

```

## MojAdapterLok2.java

```

1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Context;
3  import android.location.Location;
4  import android.view.LayoutInflater;
5  import android.view.View;
6  import android.view.ViewGroup;
7  import android.widget.AdapterView;
8  import android.widget.AdapterView.OnItemClickListener;
9  import android.widget.AdapterView.OnItemClickListener;
10 import android.widget.AdapterView.OnItemClickListener;
11 import android.widget.AdapterView.OnItemClickListener;
12 import android.widget.AdapterView.OnItemClickListener;
13 import android.widget.AdapterView.OnItemClickListener;
14 import android.widget.AdapterView.OnItemClickListener;
15 import android.widget.AdapterView.OnItemClickListener;
16 import android.widget.AdapterView.OnItemClickListener;
17 import android.widget.AdapterView.OnItemClickListener;
18 import android.widget.AdapterView.OnItemClickListener;
19 import android.widget.AdapterView.OnItemClickListener;
20 import android.widget.AdapterView.OnItemClickListener;
21 import android.widget.AdapterView.OnItemClickListener;
22 import android.widget.AdapterView.OnItemClickListener;
23 import android.widget.AdapterView.OnItemClickListener;
24 import android.widget.AdapterView.OnItemClickListener;
25 import android.widget.AdapterView.OnItemClickListener;
26 import android.widget.AdapterView.OnItemClickListener;
27 import android.widget.AdapterView.OnItemClickListener;
28 import android.widget.AdapterView.OnItemClickListener;
29 import android.widget.AdapterView.OnItemClickListener;
30 import android.widget.AdapterView.OnItemClickListener;
31 import android.widget.AdapterView.OnItemClickListener;
32 import android.widget.AdapterView.OnItemClickListener;
33 import android.widget.AdapterView.OnItemClickListener;
34 import android.widget.AdapterView.OnItemClickListener;
35 import android.widget.AdapterView.OnItemClickListener;
36 import android.widget.AdapterView.OnItemClickListener;
37 import android.widget.AdapterView.OnItemClickListener;
38 import android.widget.AdapterView.OnItemClickListener;
39 import android.widget.AdapterView.OnItemClickListener;
40 import android.widget.AdapterView.OnItemClickListener;
41 import android.widget.AdapterView.OnItemClickListener;

```

## Lokacije\_comp.java

```
1 package com.unin.kl.zavrzni_rad_kl;
2 import android.content.Intent;
3 import android.content.SharedPreferences;
4 import android.database.Cursor;
5 import android.graphics.Color;
6 import android.location.Location;
7 import android.os.Bundle;
8 import androidx.appcompat.widget.Toolbar;
9 import android.view.Menu;
10 import android.view.MenuItem;
11 import android.widget.ArrayAdapter;
12 import android.widget.ListView;
13 import androidx.appcompat.app.AppCompatActivity;
14 import com.google.android.gms.maps.CameraUpdateFactory;
15 import com.google.android.gms.maps.GoogleMap;
16 import com.google.android.gms.maps.MapFragment;
17 import com.google.android.gms.maps.OnMapReadyCallback;
18 import com.google.android.gms.maps.model.BitmapDescriptorFactory;
19 import com.google.android.gms.maps.model.LatLng;
20 import com.google.android.gms.maps.model.LatLngBounds;
21 import com.google.android.gms.maps.model.MarkerOptions;
22 import com.google.android.gms.maps.model.PolylineOptions;
23 import java.util.ArrayList;
24 public class Lokacije_comp extends AppCompatActivity implements OnMapReadyCallback
25 {
26     public GoogleMap mMap;
27     String lat1_s = "*****";
28     String lon1_s = "*****";
29     String vis1_s = "*****";
30     String acc1_s = "*****";
31     String smj1_s = "*****";
32     String izv1_s = "*****";
33     String brz1_s = "*****";
34     String vril_s = "*****";
35     String vri_fl_s = "*****";
36     String star1_s = "*****";
37     String lat2_s = "*****";
38     String lon2_s = "*****";
39     String vis2_s = "*****";
40     String acc2_s = "*****";
41     String smj2_s = "*****";
42     String izv2_s = "*****";
43     String brz2_s = "*****";
44     String vri2_s = "*****";
45     String vri_f2_s = "*****";
46     String star2_s = "*****";
47     String dist_s = "*****";
48     String bear1_s = "*****";
49     String bear2_s = "*****";
50     String raz_vis_s = "*****";
51     String id1_str = "*****";
52     String id2_str = "*****";
53     LatLng moja_lokacija1 = new LatLng(0, 0);
54     LatLng moja_lokacija2 = new LatLng(0, 0);
55     static MojaBP mojaBP;
56     ArrayList<String> podaci;
57     ArrayAdapter<String> adapter;
58     @Override
59     protected void onCreate(Bundle savedInstanceState) {
60         super.onCreate(savedInstanceState);
61         setContentView(R.layout.activity_lokacije_comp);
62         Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
63         setSupportActionBar(toolbar);
64         MapFragment mapFragment = (MapFragment)
65         getSupportFragmentManager().findFragmentById(R.id.map7);
66         mapFragment.getMapAsync(Lokacije_comp.this);
67         mojaBP = new MojaBP(this);
68         SharedPreferences sp = getSharedPreferences("SP_USPOREDBA", MODE_PRIVATE);
```

```

67     id1_str = sp.getString("id1", "prazno");
68     id2_str = sp.getString("id2", "prazno");
69     if(id1_str != "prazno"){
70         Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK_pojedino(id1_str);
71         podaci_LOK.moveToPosition(0);
72         lat1_s = podaci_LOK.getString(1);
73         lon1_s = podaci_LOK.getString(2);
74         vis1_s = podaci_LOK.getString(3);
75         accl_s = podaci_LOK.getString(5);
76         smj1_s = podaci_LOK.getString(6);
77         izv1_s = podaci_LOK.getString(7);
78         brz1_s = podaci_LOK.getString(8);
79         vri1_s = podaci_LOK.getString(9);
80         vri_f1_s = podaci_LOK.getString(10);
81         star1_s = podaci_LOK.getString(11);
82     }
83     if(id2_str != "prazno"){
84         Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK_pojedino(id2_str);
85         podaci_LOK.moveToPosition(0);
86         lat2_s = podaci_LOK.getString(1);
87         lon2_s = podaci_LOK.getString(2);
88         vis2_s = podaci_LOK.getString(3);
89         acc2_s = podaci_LOK.getString(5);
90         smj2_s = podaci_LOK.getString(6);
91         izv2_s = podaci_LOK.getString(7);
92         brz2_s = podaci_LOK.getString(8);
93         vri2_s = podaci_LOK.getString(9);
94         vri_f2_s = podaci_LOK.getString(10);
95         star2_s = podaci_LOK.getString(11);
96     }
97     podaci=new ArrayList<String>();
98     adapter=new
    ArrayAdapter<String>(this, android.R.layout.simple_list_item_1, podaci);
99     ListView lv=(ListView) this.findViewById(R.id.listView_comp);
100     lv.setAdapter(adapter);
101 }
102 @Override
103 public void onMapReady(GoogleMap googleMap) {
104     mMap = googleMap;
105     postaviKartu();
106 }
107 void postaviKartu (){
108     mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
109     glavni();
110 }
111 @Override
112 public boolean onCreateOptionsMenu(Menu menu) {
113     getMenuInflater().inflate(R.menu.menu_glavna_lokacije, menu);
114     return true;
115 }
116 @Override
117 public boolean onOptionsItemSelected(MenuItem item) {
118     int id = item.getItemId();
119     if (id == R.id.oprog) {
120         Intent inte= new Intent(Lokacije_comp.this, Oprog_Activity.class);
121         startActivity(inte);
122         finish();
123     }
124     if (id == R.id.lok || id == R.id.lok2) {
125         Intent inte= new Intent(Lokacije_comp.this,
Lokacije_Glavna_Activity.class);
126         startActivity(inte);
127         finish();
128     }
129     if (id == R.id.pri || id == R.id.pri2) {
130         Intent inte= new Intent(Lokacije_comp.this, Login_Activity.class);
131         startActivity(inte);
132         finish();
133     }
134     return super.onOptionsItemSelected(item);

```

```

135     }
136     public void glavni(){
137         mMap.clear();
138         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0), 1));
139         mMap.clear();
140         if(id1_str != "prazno") {
141             moja_lokacija1 = new LatLng(Double.valueOf(lat1_s),
Double.valueOf(lon1_s));
142             mMap.addMarker(new
MarkerOptions().position(moja_lokacija1).title("LOKACIJA 1 " + vri_f1_s).icon
143 (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_RED)));
144             mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija1, 19));
145         }
146         if(id2_str != "prazno"){
147             moja_lokacija2 = new LatLng(Double.valueOf(lat2_s),
Double.valueOf(lon2_s));
148             mMap.addMarker(new
MarkerOptions().position(moja_lokacija2).title("LOKACIJA 2 " + vri_f2_s).icon
149 (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_AZURE)));
150             mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija2, 19));
151         }
152         if(id1_str != "prazno" && id2_str != "prazno"){
153             Location dest1 = new Location("Dest1");
154             dest1.setLatitude(Double.valueOf(lat1_s));
155             dest1.setLongitude(Double.valueOf(lon1_s));
156             dest1.setAltitude(Double.valueOf(vis1_s));
157             Location dest2 = new Location("Dest2");
158             dest2.setLatitude(Double.valueOf(lat2_s));
159             dest2.setLongitude(Double.valueOf(lon2_s));
160             dest2.setAltitude(Double.valueOf(vis2_s));
161             double vis1 = Double.valueOf(vis1_s);
162             double vis2 = Double.valueOf(vis2_s);
163             double bear1 = dest1.bearingTo(dest2);
164             double bear2 = dest2.bearingTo(dest1);
165             float dist = dest1.distanceTo(dest2);
166             if(bear1 < 0){bear1 = bear1 +360;}
167             if(bear2 < 0){bear2 = bear2 +360;}
168             if(vis1 > vis2){raz_vis_s=String.valueOf(vis1-vis2);}
169             if(vis2 > vis1){raz_vis_s=String.valueOf(vis2-vis1);}
170             dist_s = String.valueOf(dist);
171             bear1_s = String.valueOf(bear1);
172             bear2_s = String.valueOf(bear2);
173             LatLngBounds podrZoma = new
LatLngBounds.Builder().include(moja_lokacija1).include(moja_lokacija2).build();
174             mMap.moveCamera(CameraUpdateFactory.newLatLngBounds(podrZoma, 50));
175             PolylineOptions polylineOptions = new
PolylineOptions().width(5).color(Color.RED);
176             polylineOptions.add(moja_lokacija1).add(moja_lokacija2);
177             mMap.addPolyline(polylineOptions);
178         }
179         Location location1 = new Location("");
180         location1.setLatitude(Double.parseDouble(lat1_s));
181         location1.setLongitude(Double.parseDouble(lon1_s));
182         Location location2 = new Location("");
183         location2.setLatitude(Double.parseDouble(lat2_s));
184         location2.setLongitude(Double.parseDouble(lon2_s));
185         podaci.add("LOKACIJA 1");
186         podaci.add("LATITUDA: " +
String.valueOf(location1.convert(location1.getLatitude(), location1.FORMAT_SECONDS)
);
187         podaci.add("LONGITUDA: " +
String.valueOf(location1.convert(location1.getLongitude(), location1.FORMAT_SECONDS)
));
188         podaci.add("VISINA: " + vis1_s + " m");
189         podaci.add("PRECIZNOST LOKACIJE: " + accl_s + " m");
190         podaci.add("AZIMUT: " + smj1_s + "°");
191         podaci.add("IZVOR LOKACIJE: " + izv1_s);
192         podaci.add("BRZINA: " + brz1_s + " m/s");

```

```

193     podaci.add("VRIJEME OSTVARIVANJA LOKACIJE: " + vri_f1_s);
194     podaci.add("LOKACIJA 2");
195     podaci.add("LATITUDA: " +
String.valueOf(location2.convert(location2.getLatitude(), location2.FORMAT_SECONDS)
);
196     podaci.add("LONGITUDA: " +
String.valueOf(location2.convert(location2.getLongitude(), location2.FORMAT_SECONDS)
));
197     podaci.add("VISINA: "+vis2_s + " m");
198     podaci.add("PRECIZNOST LOKACIJE: "+acc2_s + " m");
199     podaci.add("AZIMUT: "+smj2_s + "°");
200     podaci.add("IZVOR LOKACIJE: "+izv2_s);
201     podaci.add("BRZINA: " + brz2_s + " m/s");
202     podaci.add("VRIJEME OSTVARIVANJA LOKACIJE: " + vri_f2_s);
203     podaci.add("ODNOS DVIJE LOKACIJE");
204     podaci.add("AZIMUT 1. METE U ODNOSU NA 2. JE: " + bear1_s + "°");
205     podaci.add("AZIMUT 2. METE U ODNOSU NA 1. JE: " + bear2_s + "°");
206     podaci.add("UDALJENOST IZMEĐU LOKACIJA JE: " + dist_s + " m");
207     podaci.add("VISINSKA RAZLIKA LOKACIJA JE: " + raz_vis_s + " m");
208     adapter.notifyDataSetChanged();
209 }
210 }

```

## Lokacije\_PovKret\_Activity.java

```

1  package com.unin.kl.zavrzni_rad_kl;
2  import android.app.AlertDialog;
3  import android.content.DialogInterface;
4  import android.content.Intent;
5  import android.database.Cursor;
6  import android.graphics.Color;
7  import android.os.Bundle;
8  import androidx.appcompat.app.AppCompatActivity;
9  import androidx.appcompat.widget.Toolbar;
10 import android.view.Menu;
11 import android.view.MenuItem;
12 import android.view.View;
13 import android.widget.AdapterView;
14 import android.widget.ArrayAdapter;
15 import android.widget.ListView;
16 import com.google.android.gms.maps.CameraUpdateFactory;
17 import com.google.android.gms.maps.GoogleMap;
18 import com.google.android.gms.maps.MapFragment;
19 import com.google.android.gms.maps.OnMapReadyCallback;
20 import com.google.android.gms.maps.model.BitmapDescriptorFactory;
21 import com.google.android.gms.maps.model.LatLng;
22 import com.google.android.gms.maps.model.LatLngBounds;
23 import com.google.android.gms.maps.model.MarkerOptions;
24 import com.google.android.gms.maps.model.PolylineOptions;
25 import java.util.ArrayList;
26 public class Lokacije_PovKret_Activity extends AppCompatActivity implements
OnMapReadyCallback{
27     boolean zas_b = false;
28     public GoogleMap mMap;
29     double lat = 0;
30     double lon = 0;
31     String broj_spremanja_str = "0";
32     String del_id = "";
33     String sh_id = "";
34     int broj_spremanja = 0;
35     boolean zasl = false;
36     ListView popisLV_lok;
37     ArrayList<String> mojiPodaci;
38     ArrayAdapter<String> mojAdapterLok1;
39     static MojaBP mojaBP;
40     @Override
41     protected void onCreate(Bundle savedInstanceState) {
42         super.onCreate(savedInstanceState);
43         setContentView(R.layout.activity_lokacije_pov_kret);
44         Toolbar toolbar2 = (Toolbar) findViewById(R.id.toolbar2);
45         setSupportActionBar(toolbar2);

```

```

46     popisLV_lok = (ListView) findViewById(R.id.listView2);
47     mojaBP = new MojaBP(this);
48     mojiPodaci = new ArrayList<String>();
49     mojAdapterLok1 = new MojAdapterLok1(this,
R.layout.moj_layout_lokacije_pov1, mojiPodaci);
50     popisLV_lok.setAdapter(mojAdapterLok1);
51     MapFragment mapFragment = (MapFragment)
getFragmentManager().findFragmentById(R.id.map2);
52     mapFragment.getMapAsync(this);
53     popisLV_lok.setOnItemClickListener(new AdapterView.OnItemClickListener() {
54         @Override
55         public void onItemClick(AdapterView<?> parent, View view, int position,
long id) {
56             broj_spremanja_str =
String.valueOf(parent.getItemIdAtPosition(position));
57             broj_spremanja = Integer.parseInt(broj_spremanja_str) + 1;
58             pokazi2();
59         }
60     });
61     popisLV_lok.setOnItemLongClickListener(new
AdapterView.OnItemLongClickListener() {
62         @Override
63         public boolean onItemLongClick(AdapterView<?> parent, View view, int
position, long id) {
64             broj_spremanja_str =
String.valueOf(parent.getItemIdAtPosition(position));
65             broj_spremanja = Integer.parseInt(broj_spremanja_str) + 1;
66             final ArrayList<String> mojePolje = new ArrayList<String>();
67             mojePolje.add("IZBRIŠI");
68             CharSequence[] tmp;
69             tmp = mojePolje.toArray(new CharSequence[mojePolje.size()]);
70             AlertDialog.Builder builder1 = new
AlertDialog.Builder(Lokacije_PovKret_Activity.this);
71             builder1.setTitle("Izbor");
72             builder1.setItems(tmp, new DialogInterface.OnClickListener() {
73                 @Override
74                 public void onClick(DialogInterface dialog, int which) {
75                     if (mojePolje.get(which) == "IZBRIŠI") {
76                         obrisiPritisnuto();
77                     }
78                 }
79             });
80             builder1.setCancelable(false);
81             builder1.setPositiveButton("Zatvori", null);
82             AlertDialog alert = builder1.create();
83             builder1.show();
84             return true;
85         }
86     });
87 }
88 @Override
89 public void onMapReady(GoogleMap googleMap) {
90     mMap = googleMap;
91     postaviKartu();
92 }
93 void postaviKartu () {
94     mMap.setMapType(GoogleMap.MAP_TYPE_TERRAIN);
95 }
96 @Override
97 protected void onStart() {
98     super.onStart();
99     pokazil();
100     zas1 = true;
101 }
102 public void pokazil() {
103     Cursor podaci_RUT = mojaBP.dohvatiPodatke_RUT_list();
104     if (podaci_RUT.getCount() == 0) {
105         mojiPodaci.clear();
106         mojAdapterLok1.notifyDataSetChanged();
107         if(zas1==true) {

```



```

108         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0),
109 1));
109         mMap.clear();
110     }
111     return;
112 }
113 mojiPodaci.clear();
114 while (podaci_RUT.moveToNext()){
115     String pod_rut = podaci_RUT.getString(1)+"?" + podaci_RUT.getString(0);
116     mojiPodaci.add(pod_rut);
117     mojAdapterLok1.notifyDataSetChanged();
118 }
119 }
120 public void pokazi2(){
121     mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0), 1));
122     mMap.clear();
123     ArrayList<LatLng> koordList = new ArrayList<LatLng>();
124     LatLng moja_lokacija_zadnja = new LatLng(0, 0);
125     LatLng moja_lokacija_prva = new LatLng(0, 0);
126     Object item = popisLV_lok.getItemAtPosition(broj_spremanja - 1);
127     String value = item.toString();
128     String split1[] = value.split("\\?");
129     sh_id = split1[0];
130     Cursor max_id_RUT_LOK2 = mojaBP.max_id_rut_LOK2(sh_id);
131     max_id_RUT_LOK2.moveToPosition(0);
132     Integer max_id_rut_lok2 = max_id_RUT_LOK2.getInt(0);
133     Cursor podaci_RUT;
134     LatLngBounds.Builder builder = new LatLngBounds.Builder();
135     for(int i=1; i<=max_id_rut_lok2; i++){
136         podaci_RUT =
137         mojaBP.dohvatiPodatke_RUT_pojedino(sh_id,String.valueOf(i));
138         podaci_RUT.moveToPosition(0);
139         String ko = podaci_RUT.getString(3);
140         String racun[] = ko.split("\\|");
141         lat = Double.valueOf(racun[0]);
142         lon = Double.valueOf(racun[1]);
143         koordList.add(new LatLng(lat, lon));
144         builder.include(new LatLng(lat, lon));
145         if(i==max_id_rut_lok2){ moja_lokacija_zadnja = new LatLng(lat, lon); }
146         if(i==1){ moja_lokacija_prva = new LatLng(lat, lon); }
147     }
148     mMap.addMarker(new
149     MarkerOptions().position(moja_lokacija_zadnja).title("ZADNJA LOKACIJA").icon
150     (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_RED)));
151     mMap.addMarker(new MarkerOptions().position(moja_lokacija_prva).title("PRVA
152     LOKACIJA").icon
153     (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_AZURE)));
154     PolylineOptions polylineOptions = new
155     PolylineOptions().width(5).color(Color.RED);
156     polylineOptions.addAll(koordList);
157     mMap.addPolyline(polylineOptions);
158     LatLngBounds podrZoma = builder.build();
159     mMap.moveCamera(CameraUpdateFactory.newLatLngBounds(podrZoma, 50));
160 }
161 public void obrisiPritisnuto() {
162     AlertDialog.Builder builder=new AlertDialog.Builder(this);
163     builder.setTitle("Upozorenje").setMessage("Da li želite izbrisati?");
164     builder.setCancelable(false);
165     builder.setNegativeButton("NE", new DialogInterface.OnClickListener() {
166         @Override
167         public void onClick(DialogInterface dialog, int which) {
168             klikNe();
169         }
170     });
171     builder.setPositiveButton("DA", new DialogInterface.OnClickListener() {
172         @Override
173         public void onClick(DialogInterface dialog, int which) {
174             klikDa();
175         }
176     });
177 }

```



```

171     }
172     });
173     AlertDialog poruka=builder.create();
174     poruka.show();
175 }
176 public void klikNe(){ zas_b = false;}
177 public void klikDa(){
178     if(zas_b == false) {
179         Object item = popisLV_lok.getItemAtPosition(broj_spremanja - 1);
180         String value = item.toString();
181         String split1[] = value.split("\\?");
182         del_id = split1[0];
183         Integer deleteRut = mojaBP.obrisiStavku_RUT(String.valueOf(del_id));
184     }
185     if(zas_b == true){
186         zas_b = false;
187         mojaBP.obrisiPodatke_RUT();
188     }
189     mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0), 1));
190     mMap.clear();
191     pokazil();
192 }
193 @Override
194 public boolean onCreateOptionsMenu(Menu menu) {
195     getMenuInflater().inflate(R.menu.menu_lokacije_pov_kret, menu);
196     return true;
197 }
198 @Override
199 public boolean onOptionsItemSelected(MenuItem item) {
200     int id = item.getItemId();
201     if (id == R.id.oprog) {
202         Intent inte= new Intent(Lokacije_PovKret_Activity.this,
Oprog_Activity.class);
203         inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
204         startActivity(inte);
205         finish();
206     }
207     if (id == R.id.lok || id == R.id.lok2) {
208         Intent inte= new Intent(Lokacije_PovKret_Activity.this,
Lokacije_Glavna_Activity.class);
209         inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
210         startActivity(inte);
211         finish();
212     }
213     if (id == R.id.pri || id == R.id.pri2) {
214         Intent inte= new Intent(Lokacije_PovKret_Activity.this,
Login_Activity.class);
215         startActivity(inte);
216         finish();
217     }
218     if (id == R.id.brisi_lok_pov_kre) {
219         zas_b = true;
220         obrisiPritisnuto();
221     }
222     return super.onOptionsItemSelected(item);
223 }
224 }

```

## MojAdapterLok1.java

```

1 package com.unin.kl.zavrnsni_rad_kl;
2 import android.content.Context;
3 import android.view.LayoutInflater;
4 import android.view.View;
5 import android.view.ViewGroup;
6 import android.widget.ArrayAdapter;
7 import android.widget.TextView;
8 import java.util.ArrayList;
9 public class MojAdapterLok1 extends ArrayAdapter<String> {
10     private ArrayList<String> podaci2;

```

```

11     public MojAdapterLok1 (Context context, int resource, ArrayList<String>
podaci2) {
12         super(context, resource, podaci2);
13         this.podaci2 = podaci2;
14     }
15     @Override
16     public View getView(int position, View convertView, ViewGroup parent) {
17         View view=convertView;
18         if (view == null) {
19             LayoutInflater inflater = (LayoutInflater)
20                 getContext().getSystemService(Context.LAYOUT_INFLATER_SERVICE);
21             view = inflater.inflate(R.layout.moj_layout_lokacije_pov1, null);
22         }
23         String podatak=this.podaci2.get(position);
24         String split1[] = podatak.split("\\?");
25         String vrijeme = split1[1];
26         TextView brojPrikaz_tv=(TextView)view.findViewById(R.id.brojPrikaz1);
27         brojPrikaz_tv.setText(Integer.toString(position + 1));
28         TextView datumPrikaz_tv=(TextView)view.findViewById(R.id.datumPrikaz1);
29         datumPrikaz_tv.setText(vrijeme);
30         return view;
31     }
32 }

```

## MojaBP.java

```

1  package com.unin.kl.zavrzni_rad_kl;
2  import android.content.ContentValues;
3  import android.content.Context;
4  import android.database.Cursor;
5  import android.database.sqlite.SQLiteDatabase;
6  public class MojaBP extends android.database.sqlite.SQLiteOpenHelper {
7      private static final String DATABSE_IME_LOK = "lokacija_bp.db";
8      private static final String TABLICA_IME_LOK = "lokacija_tablica";
9      private static final String STUPAC_ID_LOK = "id";
10     private static final String STUPAC_LAT_LOK = "latituda";
11     private static final String STUPAC_LON_LOK = "longituda";
12     private static final String STUPAC_VIS_LOK = "visina";
13     private static final String STUPAC_PREC_LOK = "preciznost";
14     private static final String STUPAC_SMJER_LOK = "smjer";
15     private static final String STUPAC_IZVOR_LOK = "izvor";
16     private static final String STUPAC_BRZINA_LOK = "brzina";
17     private static final String STUPAC_VRIJEME_LOK = "vrijeme";
18     private static final String STUPAC_VRIJEME_F_LOK = "vrijeme_f";
19     private static final String STUPAC_STAROST_LOK = "starost";
20     private static final String STUPAC_VRIJEME_SPREM_LOK = "datum";
21     private static final String TABLICA_IME_RUT = "rute_tablica";
22     private static final String STUPAC_ID_UNOSA_RUT = "id_unos_rut";
23     private static final String STUPAC_ID_RUTE_RUT = "id_rut";
24     private static final String STUPAC_ID_LOKACIJE_RUT = "id_lok";
25     private static final String STUPAC TEKST_RUT = "koordinata";
26     private static final String STUPAC DATUM_RUT = "datum";
27     public static final String TABLE_CREATE_LOK = "create table "+TABLICA_IME_LOK+"
("+STUPAC_ID_LOK+
28         " integer primary key autoincrement, "+STUPAC_LAT_LOK+" text,
"+STUPAC_LON_LOK+" text, "
29         +STUPAC_VIS_LOK+" text, "+STUPAC_VRIJEME_SPREM_LOK+" text,
"+STUPAC_PREC_LOK+" text, "
30         +STUPAC_SMJER_LOK+" text, "+STUPAC_IZVOR_LOK+" text,
"+STUPAC_BRZINA_LOK+" text, "
31         +STUPAC_VRIJEME_LOK+" text, "+STUPAC_VRIJEME_F_LOK+" text,
"+STUPAC_STAROST_LOK+" text );";
32     public static final String TABLE_CREATE_RUT = "create table "+TABLICA_IME_RUT+"
("+STUPAC_ID_UNOSA_RUT
33         +" integer primary key autoincrement, "+STUPAC_ID_RUTE_RUT+" integer, "
34         +STUPAC_ID_LOKACIJE_RUT+" integer, "+STUPAC TEKST_RUT+" text,
"+STUPAC DATUM_RUT+" text );";
35     public MojaBP(Context context) {
36         super(context, DATABSE_IME_LOK, null, 1);
37         SQLiteDatabase bp = this.getWritableDatabase();
38     }

```

```

39     @Override
40     public void onCreate(SQLiteDatabase bp) {
41         bp.execSQL(TABLE_CREATE_LOK);
42         bp.execSQL(TABLE_CREATE_RUT);
43     }
44     @Override
45     public void onUpgrade(SQLiteDatabase bp, int oldVersion, int newVersion) {
46         String UPIT1 = "DROP TABLE IF EXISTS "+TABLICA_IME_LOK;
47         bp.execSQL(UPIT1);
48         String UPIT2 = "DROP TABLE IF EXISTS "+TABLICA_IME_RUT;
49         bp.execSQL(UPIT2);
50         this.onCreate(bp);
51     }
52     public boolean spremiPodatke_LOK(String lat_s, String lon_s, String vis_s,
53 String vrijeme_sprem,
54                                     String acc_s, String bear_s, String prov_s,
55 String speed_s,
56                                     String fix_time_s, String fix_time_s_f, String
57 fix_pass_time_s){
58     SQLiteDatabase bp = this.getWritableDatabase();
59     ContentValues cv = new ContentValues();
60     cv.put(STUPAC_VRIJEME_SPREM_LOK, vrijeme_sprem);
61     cv.put(STUPAC_LAT_LOK, lat_s);
62     cv.put(STUPAC_LON_LOK, lon_s);
63     cv.put(STUPAC_VIS_LOK, vis_s);
64     cv.put(STUPAC_PREC_LOK, acc_s);
65     cv.put(STUPAC_SMJER_LOK, bear_s);
66     cv.put(STUPAC_IZVOR_LOK, prov_s);
67     cv.put(STUPAC_BRZINA_LOK, speed_s);
68     cv.put(STUPAC_VRIJEME_LOK, fix_time_s);
69     cv.put(STUPAC_VRIJEME_F_LOK, fix_time_s_f);
70     cv.put(STUPAC_STAROST_LOK, fix_pass_time_s);
71     long ishod = bp.insert(TABLICA_IME_LOK, null, cv);
72     if(ishod == -1){
73         return false;
74     }else{
75         return true;
76     }
77 }
78     public boolean spremiPodatke_RUT(String lat_lon, String vrijeme, Integer
79 id_lok_rut, Integer id_rut){
80     SQLiteDatabase bp = this.getWritableDatabase();
81     ContentValues cv = new ContentValues();
82     cv.put(STUPAC_TEKST_RUT, lat_lon);
83     cv.put(STUPAC_DATUM_RUT, vrijeme);
84     cv.put(STUPAC_ID_RUTE_RUT, id_rut);
85     cv.put(STUPAC_ID_LOKACIJE_RUT, id_lok_rut);
86     long ishod = bp.insert(TABLICA_IME_RUT, null, cv);
87     if(ishod == -1){
88         return false;
89     }else{
90         return true;
91     }
92 }
93     public Cursor dohvatiPodatke_LOK(){
94     SQLiteDatabase bp = this.getWritableDatabase();
95     Cursor podaci_LOK = bp.rawQuery("select * from "+TABLICA_IME_LOK,null);
96     return podaci_LOK;
97 }
98     public Cursor dohvatiPodatke_LOK_pojedino(String id){
99     SQLiteDatabase bp = this.getWritableDatabase();
100     Cursor podaci_LOK = bp.rawQuery("select * from "+TABLICA_IME_LOK+ " where
101 id=?",new String[] {id});
102     return podaci_LOK;
103 }
104     public Cursor dohvatiPodatke_RUT_list(){
105     SQLiteDatabase bp = this.getWritableDatabase();
106     Cursor podaci_RUT = bp.rawQuery("select DISTINCT("+STUPAC_DATUM_RUT+"), "
107 +STUPAC_ID_RUTE_RUT+" from "+TABLICA_IME_RUT,null);
108     return podaci_RUT;

```

```

104     }
105     public Cursor dohvatiPodatke_RUT_pojedino(String id1, String id2){
106         SQLiteDatabase bp = this.getWritableDatabase();
107         Cursor podaci_RUT = bp.rawQuery("select * from " + TABLICA_IME_RUT + "
where id_rut=? " +
108             "and id_lok=?", new String[] {id1,id2});
109         return podaci_RUT;
110     }
111     public Cursor max_id_rut(){
112         SQLiteDatabase bp = this.getWritableDatabase();
113         Cursor max_id_RUT = bp.rawQuery("select max(id_rut) from
"+TABLICA_IME_RUT,null);
114         return max_id_RUT;
115     }
116     public Cursor max_id_rut_lok(){
117         SQLiteDatabase bp = this.getWritableDatabase();
118         Cursor max_id_RUT_LOK = bp.rawQuery("select max(id_lok) from
"+TABLICA_IME_RUT,null);
119         return max_id_RUT_LOK;
120     }
121     public void obrisiPodatke_LOK(){
122         SQLiteDatabase bp = this.getWritableDatabase();
123         String UPIT1 = "DROP TABLE IF EXISTS "+TABLICA_IME_LOK;
124         bp.execSQL(UPIT1);
125         bp.execSQL(TABLE_CREATE_LOK);
126     }
127     public void obrisiPodatke_RUT(){
128         SQLiteDatabase bp = this.getWritableDatabase();
129         String UPIT2 = "DROP TABLE IF EXISTS "+TABLICA_IME_RUT;
130         bp.execSQL(UPIT2);
131         bp.execSQL(TABLE_CREATE_RUT);
132     }
133     public Integer obrisiStavku_LOK(String id){
134         SQLiteDatabase bp = this.getWritableDatabase();
135         return bp.delete(TABLICA_IME_LOK, "ID = ?",
136             new String[] {id});
137     }
138     public Integer obrisiStavku_RUT(String id){
139         SQLiteDatabase bp = this.getWritableDatabase();
140         return bp.delete(TABLICA_IME_RUT, "id_rut = ?",
141             new String[] {id});
142     }
143     public Cursor max_id_rut_LOK2(String id){
144         SQLiteDatabase bp = this.getWritableDatabase();
145         Cursor max_id_RUT_LOK = bp.rawQuery("select max(id_lok) from " +
TABLICA_IME_RUT +
146             " where id_rut=?", new String[] {id});
147         return max_id_RUT_LOK;
148     }
149 }

```

## Oprog\_Activity.java

```

1  package com.unin.kl.zavrsni_rad_kl;
2  import android.content.Intent;
3  import android.os.Bundle;
4  import androidx.appcompat.widget.Toolbar;
5  import android.view.Menu;
6  import android.view.MenuItem;
7  import android.webkit.WebChromeClient;
8  import android.webkit.WebView;
9  import android.webkit.WebViewClient;
10 import androidx.appcompat.app.AppCompatActivity;
11 public class Oprog_Activity extends AppCompatActivity {
12     @Override
13     protected void onCreate(Bundle savedInstanceState) {
14         super.onCreate(savedInstanceState);
15         setContentView(R.layout.activity_oprog);
16         Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
17         setSupportActionBar(toolbar);
18         WebView wv = (WebView) findViewById(R.id.webView);

```

```

19     ww.setWebViewClient(new WebViewClient());
20     ww.setWebChromeClient(new WebChromeClient());
21     String html;
22     html="\n" +
23         "<html>\n" +
24         "<body bgcolor=\"#f4feea\">\n" +
25         "<p style=\"text-align: center; font-size:
26 20px;\"><strong>Sveučilište " +
27         "sjever</strong></p>\n<p style=\"font-family: Georgia,
28 serif;\"><strong>Odjel:" +
29         "</strong> Elektrotehnika</p>\n<p style=\"font-family: Georgia,
30 serif;\">" +
31         "<strong>Broj završnog rada:</strong> 446/EL/2019</p>\n<p
32 style=\" " +
33         "font-family: Georgia, serif;\"><strong>Naslov završnog
34 rada:</strong>" +
35         "</p>\n<p style=\"font-family: Georgia, serif;\"><em>Izvedba
36 Android mobilne " +
37         "aplikacije&nbsp;s primjenom lokacijskih servisa</em></p>\n" +
38         "<p style=\"font-family: Georgia,
39 serif;\"><strong>Student:&nbsp;</strong>" +
40         "Kristijan Lukaček, 5043/601</p>\n<p style=\"font-family: Georgia,
41 serif;\">" +
42         "<strong>Mentor:&nbsp;</strong>mr.sc. Matija Mikac</p>\n<p
43 style=\"font-family: " +
44         "Georgia, serif;\"><strong>Datum izrade</strong>: 15. rujna
45 2019.</p>\n" +
46         "<p style=\"font-family: Georgia, serif;\"><strong>Zadatak
47 završnog rada:" +
48         "</strong></p>\n<p style=\"font-family: Georgia, serif;\">Cilj
49 završnog
50 rada " +
51         "rada je izvesti potpuno funkcionalnu mobilnu aplikaciju za Android
52 operacijski " +
53         "sustav bazirani na proširenoj primjeni lokacijskih servisa
54 (pohrana GPS" +
55         " lokacija, vizualizacija). Potrebno je teoretski obraditi elemente
56 Android" +
57         " operacijskog sustava i razvojnog okruženja vezane uz samu izvedbu
58 aplikacije." +
59         " Također je nužno implementirati osnovne elemente web aplikacije
60 koja će " +
61         "preuzimati podatke sa uređaja i omogućiti određenu razinu
62 vizualizacije i u " +
63         "obliku web aplikacije - pri tome voditi računa o identifikaciji
64 korisnika. " +
65         "Kao dodatne (proširena primjena) mogućnosti implementirati
66 " +
67         "funkcionalnost slanja proizvoljnih podataka i fotografija sa geo-
68 pozicijom i" +
69         " dohvat povratnog statusa sa poslužitelja (na primjer, prijave
70 komunalnih" +
71         " problema redarima i slično)<br /> <br />U radu je potrebno: <br
72 />&bull; " +
73         "obraditi i opisati ključne koriste elemente Android
74 operacijskog " +
75         "sustava - lokacijske servise, mogućnosti pohrane podataka na
76 uređaju, mogućnosti "+
77         "mrežne komunikacije i slanja podataka na poslužitelj, pristup
78 vizualizaciji" +
79         " lokacijskih podataka u obliku mapa, kontrola kamere itd.<br
80 />&bull; " +
81         "implementirati i dokumentirati aplikaciju koja će omogućiti GPS
82 praćenje<br />" +
83         "&bull; dodatno implementirati mogućnost slanja podataka i
84 fotografija sa uređaja "+
85         "na server<br />&bull; implementirati osnovne elemente web
86 aplikacije nužne za" +
87         " funkcioniranje aplikacije ovog tipa</p></body>\n</html>\n";
88     ww.loadData(html, "text/html", "UTF-8");
89 }

```

```

59     @Override
60     public boolean onCreateOptionsMenu(Menu menu) {
61         getMenuInflater().inflate(R.menu.menu_glavna_lokacije, menu);
62         return true;
63     }
64     @Override
65     public boolean onOptionsItemSelected(MenuItem item) {
66         int id = item.getItemId();
67         if (id == R.id.oprog) {
68             }
69         if (id == R.id.lok || id == R.id.lok2) {
70             Intent inte= new Intent(Oprog_Activity.this,
Lokacije_Glavna_Activity.class);
71             inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
72             startActivity(inte);
73             finish();
74         }
75         if (id == R.id.pri || id == R.id.pri2) {
76             Intent inte= new Intent(Oprog_Activity.this, Prijava_Activity.class);
77             startActivity(inte);
78             finish();
79         }
80         return super.onOptionsItemSelected(item);
81     }
82 }

```

## Grafička XML sučelja aplikacije

### activity\_login.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".Login_Activity"
9     android:background="@drawable/back_3">
10     <com.google.android.material.appbar.AppBarLayout
11         android:layout_width="match_parent"
12         android:layout_height="wrap_content"
13         android:theme="@style/AppTheme.AppBarOverlay"/>
14     <include layout="@layout/login_layout" />
15 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### login\_layout.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     android:layout_width="match_parent" android:layout_height="match_parent">
4     <Button
5         android:id="@+id/btn_pov"
6         android:layout_width="165dp"
7         android:layout_height="50dp"
8         android:layout_alignParentBottom="true"
9         android:layout_centerHorizontal="true"
10        android:layout_marginBottom="85dp"
11        android:backgroundTint="@android:color/darker_gray"
12        android:onClick="klikPov"
13        android:text="Povijest prijava"
14        android:textSize="12sp" />
15     <EditText
16        android:id="@+id/et_user"
17        android:layout_width="250dp"
18        android:layout_height="50dp"
19        android:layout_centerInParent="false"
20        android:layout_centerHorizontal="true"
21        android:layout_marginTop="100dp"
22        android:ems="10"
23        android:hint="Korisničko ime"

```



```

24         android:gravity="center"
25         android:inputType="textPersonName" />
26     <EditText
27         android:id="@+id/et_pass"
28         android:layout_width="250dp"
29         android:layout_height="50dp"
30         android:layout_below="@id/et_user"
31         android:layout_centerHorizontal="true"
32         android:layout_marginLeft="100dp"
33         android:ems="10"
34         android:hint="Lozinka"
35         android:gravity="center"
36         android:inputType="textPassword" />
37     <Button
38         android:id="@+id/btn_anon"
39         android:layout_width="165dp"
40         android:layout_height="50dp"
41         android:layout_below="@id/btn_prijava"
42         android:layout_centerHorizontal="true"
43         android:backgroundTint="@android:color/holo_blue_dark"
44         android:onClick="klikAnon"
45         android:text="Anonimna prijava" />
46     <Button
47         android:id="@+id/btn_prijava"
48         android:layout_width="165dp"
49         android:layout_height="50dp"
50         android:layout_below="@id/et_pass"
51         android:layout_centerHorizontal="true"
52         android:backgroundTint="@color/colorPrimary"
53         android:onClick="klikLogin"
54         android:text="Prijava" />
55     <Button
56         android:id="@+id/btn_reg"
57         android:layout_width="165dp"
58         android:layout_height="50dp"
59         android:layout_alignParentBottom="true"
60         android:layout_centerHorizontal="true"
61         android:layout_marginBottom="25dp"
62         android:backgroundTint="@android:color/darker_gray"
63         android:onClick="klikReg"
64         android:textSize="12sp"
65         android:text="Registracija" />
66 </RelativeLayout>

```

### activity\_registracija.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".Registracija_Activity"
9     android:background="@drawable/back_3">
10     <com.google.android.material.appbar.AppBarLayout
11         android:layout_width="match_parent"
12         android:layout_height="wrap_content"
13         android:theme="@style/AppTheme.AppBarOverlay"/>
14     <include layout="@layout/registracija_layout" />
15 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### regregistracija\_layout.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     android:layout_width="match_parent" android:layout_height="match_parent">
4     <EditText
5         android:id="@+id/et_ime"
6         android:layout_width="250dp"
7         android:layout_height="50dp"

```

```

8         android:layout_centerInParent="false"
9         android:layout_centerHorizontal="true"
10        android:layout_marginTop="100dp"
11        android:ems="10"
12        android:gravity="center"
13        android:hint="Ime"
14        android:inputType="textPersonName" />
15    <EditText
16        android:id="@+id/et_prezime"
17        android:layout_width="250dp"
18        android:layout_height="50dp"
19        android:layout_below="@id/et_ime"
20        android:layout_centerInParent="false"
21        android:layout_centerHorizontal="true"
22        android:layout_marginTop="10dp"
23        android:ems="10"
24        android:gravity="center"
25        android:hint="Prezime"
26        android:inputType="textPersonName" />
27    <EditText
28        android:id="@+id/et_oib"
29        android:layout_width="250dp"
30        android:layout_height="50dp"
31        android:layout_below="@id/et_prezime"
32        android:layout_centerInParent="false"
33        android:layout_centerHorizontal="true"
34        android:layout_marginTop="10dp"
35        android:ems="10"
36        android:gravity="center"
37        android:hint="OIB"
38        android:inputType="text|number" />
39    <EditText
40        android:id="@+id/et_user1"
41        android:layout_width="250dp"
42        android:layout_height="50dp"
43        android:layout_below="@id/et_oib"
44        android:layout_centerInParent="false"
45        android:layout_centerHorizontal="true"
46        android:layout_marginTop="10dp"
47        android:ems="10"
48        android:gravity="center"
49        android:hint="Korisničko ime"
50        android:inputType="textPersonName" />
51    <EditText
52        android:id="@+id/et_pass1"
53        android:layout_width="250dp"
54        android:layout_height="50dp"
55        android:layout_below="@id/et_user1"
56        android:layout_centerInParent="false"
57        android:layout_centerHorizontal="true"
58        android:layout_marginTop="10dp"
59        android:ems="10"
60        android:gravity="center"
61        android:hint="Lozinka"
62        android:inputType="textPassword" />
63    <EditText
64        android:id="@+id/et_pass2"
65        android:layout_width="250dp"
66        android:layout_height="50dp"
67        android:layout_below="@id/et_pass1"
68        android:layout_centerInParent="false"
69        android:layout_centerHorizontal="true"
70        android:layout_marginTop="10dp"
71        android:ems="10"
72        android:gravity="center"
73        android:hint="Ponovno unestie lozinku"
74        android:inputType="textPassword" />
75    <Button
76        android:id="@+id/btn_reg1"
77        android:layout_width="165dp"

```



```

78     android:layout_height="50dp"
79     android:layout_below="@id/checkUvjeti"
80     android:layout_alignStart="@+id/et_pass2"
81     android:layout_alignEnd="@+id/checkUvjeti"
82     android:backgroundTint="@color/colorPrimary"
83     android:onClick="klikReg1"
84     android:text="Registriaj me" />
85 <CheckBox
86     android:id="@+id/checkUvjeti"
87     android:layout_width="wrap_content"
88     android:layout_height="wrap_content"
89     android:layout_below="@id/et_pass2"
90     android:layout_alignStart="@+id/et_pass2"
91     android:layout_marginStart="0dp"
92     android:onClick="dozvolaKlik"
93     android:text="Prihvaćam uvjete korištenja."
94     android:textSize="17sp" />
95 </RelativeLayout>

```

## activity\_postavke.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".Postavke_Activity"
9     android:background="@drawable/back_3">
10 <com.google.android.material.appbar.AppBarLayout
11     android:layout_width="match_parent"
12     android:layout_height="wrap_content"
13     android:theme="@style/AppTheme.AppBarOverlay"/>
14 <include layout="@layout/postavke_layout" />
15 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

## postavke\_layout.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.core.widget.NestedScrollView
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent">
8 <RelativeLayout
9     android:layout_width="match_parent" android:layout_height="match_parent">
10 <TextView
11     android:id="@+id/tv_naslov"
12     android:layout_width="260dp"
13     android:layout_height="40dp"
14     android:layout_below="@id/et_ip"
15     android:layout_marginTop="50dp"
16     android:paddingLeft="10dp"
17     android:text="Promjena koisničkih podataka:"
18     android:textSize="18dp" />
19 <EditText
20     android:id="@+id/et_ip"
21     android:layout_width="250dp"
22     android:layout_height="50dp"
23     android:layout_centerInParent="false"
24     android:layout_marginTop="100dp"
25     android:ems="10"
26     android:inputType="textPersonName" />
27 <TextView
28     android:id="@+id/textView6"
29     android:layout_width="160dp"
30     android:layout_height="40dp"
31     android:layout_marginTop="50dp"
32     android:paddingLeft="10dp"

```

```

33         android:text="IP adresa servera:"
34         android:textSize="18dp" />
35     <ImageButton
36         android:id="@+id/btn_postavi"
37         android:layout_width="50dp"
38         android:layout_height="50dp"
39         android:layout_marginLeft="20dp"
40         android:layout_marginTop="100dp"
41         android:layout_toRightOf="@id/et_ip"
42         android:backgroundTint="@color/colorPrimary"
43         app:srcCompat="@android:drawable/stat_notify_sync" />
44     <EditText
45         android:id="@+id/et_ime"
46         android:layout_width="250dp"
47         android:layout_height="50dp"
48         android:layout_below="@id/tv_naslov"
49         android:layout_centerInParent="false"
50         android:layout_centerHorizontal="true"
51         android:ems="10"
52         android:hint="Ime"
53         android:inputType="textPersonName" />
54     <EditText
55         android:id="@+id/et_prezime"
56         android:layout_width="250dp"
57         android:layout_height="50dp"
58         android:layout_below="@id/et_ime"
59         android:layout_centerInParent="false"
60         android:layout_centerHorizontal="true"
61         android:layout_marginTop="10dp"
62         android:ems="10"
63         android:hint="Prezime"
64         android:inputType="textPersonName" />
65     <EditText
66         android:id="@+id/et_oib"
67         android:layout_width="250dp"
68         android:layout_height="50dp"
69         android:layout_below="@id/et_prezime"
70         android:layout_centerInParent="false"
71         android:layout_centerHorizontal="true"
72         android:layout_marginTop="10dp"
73         android:ems="10"
74         android:hint="OIB"
75         android:inputType="text|number" />
76     <EditText
77         android:id="@+id/et_user1"
78         android:layout_width="250dp"
79         android:layout_height="50dp"
80         android:layout_below="@id/et_oib"
81         android:layout_centerInParent="false"
82         android:layout_centerHorizontal="true"
83         android:layout_marginTop="10dp"
84         android:ems="10"
85         android:hint="Korisničko ime"
86         android:inputType="textPersonName" />
87     <EditText
88         android:id="@+id/et_pass1"
89         android:layout_width="250dp"
90         android:layout_height="50dp"
91         android:layout_below="@id/et_user1"
92         android:layout_centerInParent="false"
93         android:layout_centerHorizontal="true"
94         android:layout_marginTop="10dp"
95         android:ems="10"
96         android:hint="Nova lozinka"
97         android:inputType="textPassword" />
98     <EditText
99         android:id="@+id/et_pass2"
100        android:layout_width="250dp"
101        android:layout_height="50dp"
102        android:layout_below="@id/et_pass1"

```

```

103         android:layout_centerInParent="false"
104         android:layout_centerHorizontal="true"
105         android:layout_marginTop="10dp"
106         android:ems="10"
107         android:hint="Ponovno unestie lozinku"
108         android:inputType="textPassword" />
109     <Button
110         android:id="@+id/btn_promjene"
111         android:layout_width="220dp"
112         android:layout_height="wrap_content"
113         android:layout_below="@id/et_pass2"
114         android:layout_centerInParent="true"
115         android:backgroundTint="@color/colorPrimary"
116         android:text="PIMJENITE PROMJENE" />
117     <Button
118         android:id="@+id/btn_izbrisi"
119         android:layout_width="220dp"
120         android:layout_height="wrap_content"
121         android:layout_below="@id/btn_promjene"
122         android:layout_centerInParent="true"
123         android:backgroundTint="@color/colorPrimary"
124         android:text="IZBRIŠITE KORISNIČKI PROFIL" />
125 </RelativeLayout>
126 </androidx.core.widget.NestedScrollView>

```

### activity\_prijava.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".Prijava_Activity"
9     android:background="@drawable/back_3">
10     <com.google.android.material.appbar.AppBarLayout
11         android:layout_width="match_parent"
12         android:layout_height="wrap_content"
13         android:theme="@style/AppTheme.AppBarOverlay"/>
14     <include layout="@layout/prijava_layout" />
15 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### prijava\_layout.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.core.widget.NestedScrollView
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent">
8     <RelativeLayout
9         android:layout_width="match_parent"
10        android:layout_height="wrap_content"
11        android:layout_alignParentLeft="false"
12        android:paddingLeft="@dimen/activity_horizontal_margin"
13        android:paddingTop="@dimen/activity_vertical_margin"
14        android:paddingRight="@dimen/activity_horizontal_margin"
15        android:paddingBottom="@dimen/activity_vertical_margin">
16        <ImageButton
17            android:id="@+id/btngal"
18            android:layout_width="100dp"
19            android:layout_height="50dp"
20            android:layout_marginTop="210dp"
21            android:layout_marginStart="30dp"
22            android:backgroundTint="@color/colorPrimary"
23            app:srcCompat="@android:drawable/ic_menu_gallery" />
24        <ImageButton
25            android:id="@+id/btnfot"
26            android:layout_width="100dp"

```

```

27         android:layout_height="50dp"
28         android:layout_marginEnd="30dp"
29         android:layout_alignParentRight="true"
30         android:layout_centerHorizontal="false"
31         android:layout_marginTop="210dp"
32         android:backgroundTint="@color/colorPrimary"
33         android:foregroundGravity="right"
34         app:srcCompat="@android:drawable/ic_menu_camera" />
35     <Button
36         android:id="@+id/btnsalji"
37         android:layout_width="100dp"
38         android:layout_marginBottom="10dp"
39         android:layout_marginTop="10dp"
40         android:layout_height="wrap_content"
41         android:layout_below="@id/mapPr1"
42         android:layout_centerInParent="true"
43         android:background="@android:color/holo_red_light"
44         android:text="POŠALJI" />
45     <com.google.android.material.textfield.TextInputLayout
46         android:id="@+id/poruka_1"
47         android:layout_width="match_parent"
48         android:layout_height="wrap_content"
49         android:layout_below="@id/btnfot">
50         <com.google.android.material.textfield.TextInputEditText
51             android:id="@+id/poruka"
52             android:layout_width="match_parent"
53             android:layout_height="150dp"
54             android:layout_alignStart="@+id/poruka"
55             android:hint="Tekst prijave ovdje" />
56     </com.google.android.material.textfield.TextInputLayout>
57     <ImageButton
58         android:id="@+id/btnloc"
59         android:layout_width="100dp"
60         android:layout_height="50dp"
61         android:layout_below="@id/poruka_1"
62         android:layout_toRightOf="@id/textView3"
63         android:backgroundTint="@color/colorPrimary"
64         app:srcCompat="@android:drawable/ic_menu_mylocation" />
65     <androidx.recyclerview.widget.RecyclerView
66         android:id="@+id/rv1"
67         android:layout_width="match_parent"
68         android:layout_height="200dp" />
69     <TextView
70         android:id="@+id/textView3"
71         android:layout_width="213dp"
72         android:layout_height="46dp"
73         android:layout_below="@id/poruka_1"
74         android:layout_centerInParent="false"
75         android:layout_centerVertical="false"
76         android:text="Dodajte lokaciju prijave"
77         android:textAlignment="center"
78         android:textAllCaps="false"
79         android:textSize="20dp" />
80     <TextView
81         android:id="@+id/tv_lok"
82         android:layout_width="match_parent"
83         android:layout_height="180dp"
84         android:layout_below="@id/textView3"
85         android:textSize="20dp" />
86     <fragment
87         android:id="@+id/mapPr1"
88         android:name="com.google.android.gms.maps.MapFragment"
89         android:layout_width="match_parent"
90         android:layout_height="300dp"
91         android:layout_below="@id/tv_lok"
92         tools:layout="@layout/activity_prijava" />
93     <View
94         android:id="@+id/poz_view"
95         android:layout_width="match_parent"
96         android:layout_height="300dp"

```

```

97         android:layout_below="@id/tv_lok" />
98     </RelativeLayout>
99 </androidx.core.widget.NestedScrollView>

```

### slika1.xml

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:id="@+id/lin11"
5      android:layout_width="wrap_content"
6      android:layout_height="200dp"
7      android:orientation="vertical">
8      <ImageView
9          android:id="@+id/imageView1"
10         android:layout_width="200dp"
11         android:layout_height="200dp"
12         android:padding="5dp"
13         tools:srcCompat="@tools:sample/avatars" />
14 </RelativeLayout>

```

### activity\_pov\_prijava.xml

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.coordinatorlayout.widget.CoordinatorLayout
3      xmlns:android="http://schemas.android.com/apk/res/android"
4      xmlns:app="http://schemas.android.com/apk/res-auto"
5      xmlns:tools="http://schemas.android.com/tools"
6      android:layout_width="match_parent"
7      android:layout_height="match_parent"
8      tools:context=".PovPrijava_Activity"
9      android:background="@drawable/back_3">
10     <com.google.android.material.appbar.AppBarLayout
11         android:layout_width="match_parent"
12         android:layout_height="wrap_content"
13         android:theme="@style/AppTheme.AppBarOverlay"/>
14     <include layout="@layout/povprijava_layout" />
15 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### povprijava\_layout.xml

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      android:layout_width="match_parent"
4      android:layout_height="match_parent">
5      <androidx.recyclerview.widget.RecyclerView
6          android:id="@+id/rv2"
7          android:layout_width="match_parent"
8          android:layout_height="match_parent" />
9  </RelativeLayout>

```

### povstavka.xml

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="wrap_content"
5      android:layout_height="wrap_content">
6      xmlns:tools="http://schemas.android.com/tools"
7      android:id="@+id/lin11"
8      android:layout_width="wrap_content"
9      android:layout_height="200dp"
10     android:orientation="vertical">
11     <TextView
12         android:id="@+id/tv_datum"
13         android:layout_width="270dp"
14         android:layout_height="75dp"
15         android:layout_centerInParent="false"
16         android:layout_toRightOf="@id/textView7"
17         android:paddingVertical="25dp"
18         android:text="TextView"
19         android:textAlignment="center"

```

```

20         android:textAllCaps="true"
21         android:textSize="20sp" />
22     <TextView
23         android:id="@+id/textView7"
24         android:layout_width="120dp"
25         android:layout_height="75dp"
26         android:layout_centerInParent="false"
27         android:paddingVertical="25dp"
28         android:text="PRIJAVA:"
29         android:textAlignment="center"
30         android:textAllCaps="true"
31         android:textSize="20sp"
32         tools:text="PRIJAVA:" />
33 </RelativeLayout>

```

### activity\_prijava\_spr.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".PrijavaSpr_Activity"
9     android:background="@drawable/back_3">
10    <com.google.android.material.appbar.AppBarLayout
11        android:layout_width="match_parent"
12        android:layout_height="wrap_content"
13        android:theme="@style/AppTheme.AppBarOverlay"/>
14    <include layout="@layout/sprprijava_layout" />
15 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### sprprijava\_layout.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.core.widget.NestedScrollView
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="wrap_content">
7     <RelativeLayout
8         android:layout_width="match_parent"
9         android:layout_height="wrap_content"
10        android:layout_alignParentLeft="false"
11        android:paddingLeft="@dimen/activity_horizontal_margin"
12        android:paddingTop="@dimen/activity_vertical_margin"
13        android:paddingRight="@dimen/activity_horizontal_margin"
14        android:paddingBottom="@dimen/activity_vertical_margin"
15        tools:context=".Prijava_Activity"
16        tools:showIn="@layout/activity_prijava"
17        android:orientation="vertical">
18        <androidx.recyclerview.widget.RecyclerView
19            android:id="@+id/rv3"
20            android:layout_width="match_parent"
21            android:layout_height="200dp" />
22        <TextView
23            android:id="@+id/tv_datum_naslov"
24            android:layout_width="213dp"
25            android:layout_height="46dp"
26            android:layout_below="@id/rv3"
27            android:layout_centerInParent="false"
28            android:layout_centerVertical="false"
29            android:text="Vrijeme prijave:"
30            android:textAlignment="viewStart"
31            android:textAllCaps="false"
32            android:textSize="20dp" />
33        <TextView
34            android:id="@+id/tv_datum"
35            android:layout_width="match_parent"
36            android:layout_height="50dp"

```

```

37         android:textStyle="bold"
38         android:layout_below="@id/tv_datum_naslov"
39         android:textSize="20dp" />
40     <TextView
41         android:id="@+id/tv_lok_kord_naslov"
42         android:layout_width="213dp"
43         android:layout_height="46dp"
44         android:layout_below="@id/tv_datum"
45         android:layout_centerInParent="false"
46         android:layout_centerVertical="false"
47         android:text="Lokacija prijave:"
48         android:textAlignment="viewStart"
49         android:textAllCaps="false"
50         android:textSize="20dp" />
51     <TextView
52         android:id="@+id/tv_lok_kord"
53         android:layout_width="match_parent"
54         android:layout_height="100dp"
55         android:textStyle="bold"
56         android:layout_below="@id/tv_lok_kord_naslov"
57         android:textSize="20dp" />
58     <TextView
59         android:id="@+id/tv_lok_add_naslov"
60         android:layout_width="213dp"
61         android:layout_height="46dp"
62         android:layout_below="@id/tv_lok_kord"
63         android:layout_centerInParent="false"
64         android:layout_centerVertical="false"
65         android:text="Adresa prijave:"
66         android:textAlignment="viewStart"
67         android:textAllCaps="false"
68         android:textSize="20dp" />
69     <TextView
70         android:id="@+id/tv_lok_add"
71         android:layout_width="match_parent"
72         android:layout_height="100dp"
73         android:textStyle="bold"
74         android:layout_below="@id/tv_lok_add_naslov"
75         android:textSize="20dp" />
76     <TextView
77         android:id="@+id/tv_poruka_naslov"
78         android:layout_width="match_parent"
79         android:layout_height="wrap_content"
80         android:layout_marginTop="10dp"
81         android:text="Prijava:"
82         android:textAlignment="viewStart"
83         android:layout_below="@id/tv_lok_add"
84         android:textSize="20dp" />
85     <TextView
86         android:id="@+id/tv_poruka"
87         android:layout_width="match_parent"
88         android:layout_height="wrap_content"
89         android:layout_marginTop="10dp"
90         android:justificationMode="inter_word"
91         android:scrollbars="vertical"
92         android:layout_below="@id/tv_poruka_naslov"
93         android:textSize="15dp" />
94     <TextView
95         android:id="@+id/tv_odgovor_naslov"
96         android:layout_width="match_parent"
97         android:layout_height="wrap_content"
98         android:layout_marginTop="10dp"
99         android:text="Odgovor:"
100        android:textAlignment="viewStart"
101        android:layout_below="@id/tv_poruka"
102        android:textSize="20dp" />
103     <TextView
104         android:id="@+id/tv_odgovor"
105         android:layout_width="match_parent"
106         android:layout_height="wrap_content"

```



```

107         android:scrollbars="vertical"
108         android:justificationMode="inter_word"
109         android:layout_below="@id/tv_odgovor_naslov"
110         android:layout_marginTop="10dp"
111         android:textSize="15dp" />
112     <fragment
113         android:id="@+id/mapPr3"
114         android:name="com.google.android.gms.maps.MapFragment"
115         android:layout_width="match_parent"
116         android:layout_height="300dp"
117         android:layout_below="@id/tv_odgovor"
118         tools:layout="@layout/activity_prijava_spr" />
119     <View
120         android:id="@+id/proz_map_view"
121         android:layout_width="match_parent"
122         android:layout_height="300dp"
123         android:layout_below="@id/tv_odgovor" />
124 </RelativeLayout>
125 </androidx.core.widget.NestedScrollView>

```

### activity\_lokacija\_glavna.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".Lokacije_Glavna_Activity"
9     android:background="@drawable/back_6">
10     <com.google.android.material.appbar.AppBarLayout
11         android:layout_width="match_parent"
12         android:layout_height="wrap_content"
13         android:theme="@style/AppTheme.AppBarOverlay"/>
14     <include layout="@layout/content_lokacije_glavna" />
15 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### content\_lokacija\_glavna.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     android:paddingLeft="@dimen/activity_horizontal_margin"
9     android:paddingRight="@dimen/activity_horizontal_margin"
10    android:paddingTop="@dimen/activity_vertical_margin"
11    android:paddingBottom="@dimen/activity_vertical_margin"
12    app:layout_behavior="@string/appbar_scrolling_view_behavior"
13    tools:context=".Lokacije_Glavna_Activity"
14    tools:showIn="@layout/activity_lokacije_glavna">
15    <TextView
16        android:layout_width="100dp"
17        android:layout_height="40dp"
18        android:text="@string/latituda"
19        android:id="@+id/textView"
20        android:layout_alignParentTop="true"
21        android:layout_alignParentStart="true"
22        android:textSize="20sp"
23        android:textColor="#8e7e7e"
24        android:gravity="center_vertical|center_horizontal" />
25    <TextView
26        android:layout_width="180dp"
27        android:layout_height="40dp"
28        android:id="@+id/lattextView"
29        android:layout_alignTop="@+id/textView"
30        android:layout_toEndOf="@+id/textView"
31        android:layout_alignBottom="@+id/textView"

```



```

32     android:textSize="15sp"
33     android:textColor="#000000"
34     android:gravity="center_vertical|center_horizontal" />
35 <TextView
36     android:layout_width="100dp"
37     android:layout_height="40dp"
38     android:text="@string/longituda"
39     android:id="@+id/textView2"
40     android:textSize="20sp"
41     android:textColor="#8e7e7e"
42     android:gravity="center_vertical|center_horizontal"
43     android:layout_below="@+id/textView"
44     android:layout_alignParentStart="true" />
45 <TextView
46     android:layout_width="180dp"
47     android:layout_height="40dp"
48     android:id="@+id/lontextView"
49     android:textSize="15sp"
50     android:textColor="#000000"
51     android:gravity="center_vertical|center_horizontal"
52     android:layout_alignTop="@+id/textView2"
53     android:layout_toEndOf="@+id/textView2" />
54 <TextView
55     android:layout_width="100dp"
56     android:layout_height="40dp"
57     android:text="@string/visina"
58     android:id="@+id/textView4"
59     android:textSize="20sp"
60     android:textColor="#8e7e7e"
61     android:gravity="center_vertical|center_horizontal"
62     android:layout_below="@+id/textView2"
63     android:layout_alignParentStart="true" />
64 <TextView
65     android:layout_width="180dp"
66     android:layout_height="40dp"
67     android:id="@+id/visinatextView"
68     android:textSize="15sp"
69     android:textColor="#000000"
70     android:gravity="center_vertical|center_horizontal"
71     android:layout_below="@+id/textView2"
72     android:layout_toEndOf="@+id/textView2" />
73 <ImageButton
74     android:layout_width="50dp"
75     android:layout_height="60dp"
76     android:text="@string/new_button"
77     android:id="@+id/gumb_lociraj"
78     android:src="@android:drawable/ic_menu_compass"
79     android:onClick="klikLociraj"
80     android:layout_alignParentTop="true"
81     android:layout_alignParentEnd="true"
82     android:contentDescription="@string/todo" />
83 <ImageButton
84     android:layout_width="50dp"
85     android:layout_height="60dp"
86     android:text="@string/new_button"
87     android:id="@+id/gumb_stani"
88     android:src="@android:drawable/ic_media_pause"
89     android:onClick="klikStani"
90     android:layout_below="@+id/textView4"
91     android:layout_toEndOf="@+id/gumb_snjimaj"
92     android:contentDescription="@string/todo" />
93 <ImageButton
94     android:layout_width="50dp"
95     android:layout_height="60dp"
96     android:text="@string/new_button"
97     android:id="@+id/gumb_prikazi_trenutno"
98     android:src="@android:drawable/ic_media_play"
99     android:onClick="klikPokazi_RUTU"
100    android:layout_alignTop="@+id/gumb_stani"
101    android:layout_toEndOf="@+id/gumb_stani"

```

```

102     android:contentDescription="@string/todo" />
103 <ImageButton
104     android:layout_width="50dp"
105     android:layout_height="60dp"
106     android:text="@string/new_button"
107     android:id="@+id/gumb_snjimaj"
108     android:src="@android:drawable/presence_invisible"
109     android:onClick="klikSnimaj"
110     android:layout_below="@+id/textView4"
111     android:layout_alignParentStart="true"
112     android:contentDescription="@string/todo" />
113 <ImageButton
114     android:layout_width="50dp"
115     android:layout_height="60dp"
116     android:text="@string/new_button"
117     android:id="@+id/gumb_pokazi_spr_snjimano"
118     android:src="@android:drawable/ic_menu_share"
119     android:onClick="klikPokazSveSnimano"
120     android:layout_alignTop="@+id/gumb_pokazi_spr"
121     android:layout_alignEnd="@+id/visinatextView"
122     android:nestedScrollingEnabled="true"
123     android:contentDescription="@string/todo" />
124 <ImageButton
125     android:layout_width="50dp"
126     android:layout_height="60dp"
127     android:text="@string/new_button"
128     android:id="@+id/gumb_spremi_snjimano"
129     android:src="@android:drawable/ic_menu_save"
130     android:onClick="klikSpremiSnimano1"
131     android:layout_below="@+id/visinatextView"
132     android:layout_toStartOf="@+id/gumb_pokazi_spr_snjimano"
133     android:contentDescription="@string/todo" />
134 <ImageButton
135     android:layout_width="50dp"
136     android:layout_height="60dp"
137     android:text="@string/new_button"
138     android:id="@+id/gumb_lociraj_spremi"
139     android:src="@android:drawable/ic_menu_add"
140     android:onClick="klikLocirajSpremi"
141     android:layout_above="@+id/gumb_pokazi_spr"
142     android:layout_alignParentEnd="true"
143     android:contentDescription="@string/todo" />
144 <ImageButton
145     android:layout_width="50dp"
146     android:layout_height="60dp"
147     android:text="@string/new_button"
148     android:id="@+id/gumb_pokazi_spr"
149     android:src="@android:drawable/ic_menu_mapmode"
150     android:onClick="klikLocirajPokaziSpr"
151     android:layout_above="@+id/map1"
152     android:layout_alignStart="@+id/gumb_lociraj_spremi"
153     android:contentDescription="@string/todo" />
154 <fragment
155     android:id="@+id/map1"
156     android:name="com.google.android.gms.maps.MapFragment"
157     android:layout_width="100dp"
158     android:layout_height="415dp"
159     android:layout_below="@+id/gumb_prikazi_trenutno"
160     android:layout_alignParentStart="true"
161     android:layout_alignParentEnd="true"
162     tools:layout="@layout/activity_lokacije_glavna" />
163 </RelativeLayout>

```

## activity\_lokacija\_\_pov\_.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"

```

```

6     android:layout_height="match_parent"
7     tools:context=".Lokacije_Pov_Activity"
8     android:background="@drawable/back_6">
9     <com.google.android.material.appbar.AppBarLayout
10        android:layout_width="match_parent"
11        android:layout_height="wrap_content"
12        android:theme="@style/AppTheme.AppBarOverlay">
13        <androidx.appcompat.widget.Toolbar
14            android:id="@+id/toolbar3"
15            android:layout_width="match_parent"
16            android:layout_height="?attr/actionBarSize"
17            android:background="?attr/colorPrimary"
18            app:popupTheme="@style/AppTheme.PopupOverlay" />
19    </com.google.android.material.appbar.AppBarLayout>
20    <include layout="@layout/content_lokacije_pov_" />
21 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

## content\_lokacija\_\_pov\_.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     android:paddingLeft="@dimen/activity_horizontal_margin"
9     android:paddingRight="@dimen/activity_horizontal_margin"
10    android:paddingTop="@dimen/activity_vertical_margin"
11    android:paddingBottom="@dimen/activity_vertical_margin"
12    app:layout_behavior="@string/appbar_scrolling_view_behavior"
13    tools:context=".Lokacije_Pov_Activity"
14    tools:showIn="@layout/activity_lokacije_pov_">
15    <ListView
16        android:id="@+id/listView_lokacije"
17        android:layout_width="match_parent"
18        android:layout_height="250dp" />
19    <fragment
20        android:id="@+id/map3"
21        android:name="com.google.android.gms.maps.MapFragment"
22        android:layout_width="match_parent"
23        android:layout_height="380dp"
24        android:layout_below="@+id/listView_lokacije"
25        android:layout_marginTop="13dp"
26        tools:layout="@layout/activity_lokacije_pov_" />
27 </RelativeLayout>

```

## moj\_layout\_lokacije\_pov1.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     android:orientation="vertical"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent">
7     <TextView
8         android:layout_width="60dp"
9         android:layout_height="40dp"
10        android:text="@string/_1"
11        android:id="@+id/brojPrikaz1"
12        android:gravity="center_vertical|center_horizontal"
13        android:textStyle="bold"
14        android:textSize="20sp" />
15    <TextView
16        android:layout_width="126dp"
17        android:layout_height="40dp"
18        android:text="New Text"
19        android:id="@+id/datumPrikaz1"
20        android:gravity="center_vertical|center_horizontal"
21        android:typeface="serif"
22        android:textSize="20sp"

```

```

23         android:layout_gravity="center_horizontal"
24         android:layout_alignParentTop="true"
25         android:layout_alignParentEnd="true"
26         android:layout_toEndOf="@+id/brojPrikaz1" />
27 </RelativeLayout>

```

### activity\_lokacije\_comp.xml

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.coordinatorlayout.widget.CoordinatorLayout
3      xmlns:android="http://schemas.android.com/apk/res/android"
4      xmlns:app="http://schemas.android.com/apk/res-auto"
5      xmlns:tools="http://schemas.android.com/tools"
6      android:layout_width="match_parent"
7      android:layout_height="match_parent"
8      tools:context=".Lokacije_comp"
9      android:background="@drawable/back_6">
10     <com.google.android.material.appbar.AppBarLayout
11         android:layout_width="match_parent"
12         android:layout_height="wrap_content"
13         android:theme="@style/AppTheme.AppBarOverlay">
14         <androidx.appcompat.widget.Toolbar
15             android:id="@+id/toolbar"
16             android:layout_width="match_parent"
17             android:layout_height="?attr/actionBarSize"
18             android:background="?attr/colorPrimary"
19             app:popupTheme="@style/AppTheme.PopupOverlay" />
20     </com.google.android.material.appbar.AppBarLayout>
21     <include layout="@layout/content_lokacije_comp" />
22 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### content\_lokacije\_comp.xml

```

1  <?xml version="1.0" encoding="utf-8"?>
2  <androidx.constraintlayout.widget.ConstraintLayout
3      xmlns:android="http://schemas.android.com/apk/res/android"
4      xmlns:app="http://schemas.android.com/apk/res-auto"
5      xmlns:tools="http://schemas.android.com/tools"
6      android:layout_width="match_parent"
7      android:layout_height="match_parent"
8      android:paddingLeft="@dimen/activity_horizontal_margin"
9      android:paddingRight="@dimen/activity_horizontal_margin"
10     android:paddingTop="@dimen/activity_vertical_margin"
11     android:paddingBottom="@dimen/activity_vertical_margin"
12     app:layout_behavior="@string/appbar_scrolling_view_behavior"
13     tools:context=".Lokacije_comp"
14     tools:showIn="@layout/activity_lokacije_comp">
15     <fragment
16         android:id="@+id/map7"
17         android:name="com.google.android.gms.maps.MapFragment"
18         android:layout_width="0dp"
19         android:layout_height="0dp"
20         android:layout_alignParentStart="true"
21         android:layout_alignParentEnd="true"
22         android:layout_alignParentBottom="true"
23         android:layout_marginStart="10dp"
24         android:layout_marginTop="10dp"
25         android:layout_marginEnd="10dp"
26         android:layout_marginBottom="20dp"
27         app:layout_constraintBottom_toBottomOf="parent"
28         app:layout_constraintEnd_toEndOf="parent"
29         app:layout_constraintStart_toStartOf="parent"
30         app:layout_constraintTop_toBottomOf="@+id/listView_comp"
31         tools:context=".MapsActivity"
32         tools:layout="@layout/activity_lokacije_comp" />
33     <ListView
34         android:id="@+id/listView_comp"
35         android:layout_width="0dp"
36         android:layout_height="250dp"
37         android:layout_above="@+id/map7"
38         android:layout_alignParentTop="true"

```

```

39     android:layout_alignParentEnd="true"
40     android:layout_marginStart="10dp"
41     android:layout_marginTop="20dp"
42     android:layout_marginEnd="10dp"
43     app:layout_constraintEnd_toEndOf="parent"
44     app:layout_constraintStart_toStartOf="parent"
45     app:layout_constraintTop_toTopOf="parent" />
46 </androidx.constraintlayout.widget.ConstraintLayout>

```

### activity\_lokacije\_\_pov\_kret.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".Lokacije_PovKret_Activity"
9     android:background="@drawable/back_6">
10    <com.google.android.material.appbar.AppBarLayout
11        android:layout_width="match_parent"
12        android:layout_height="wrap_content"
13        android:theme="@style/AppTheme.AppBarOverlay">
14        <androidx.appcompat.widget.Toolbar
15            android:id="@+id/toolbar2"
16            android:layout_width="match_parent"
17            android:layout_height="?attr/actionBarSize"
18            android:background="?attr/colorPrimary"
19            app:popupTheme="@style/AppTheme.PopupOverlay" />
20        </com.google.android.material.appbar.AppBarLayout>
21        <include layout="@layout/content_lokacije__pov_kret_" />
22    </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### content\_lokacije\_\_pov\_kret.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     android:paddingLeft="@dimen/activity_horizontal_margin"
9     android:paddingTop="@dimen/activity_vertical_margin"
10    android:paddingRight="@dimen/activity_horizontal_margin"
11    android:paddingBottom="@dimen/activity_vertical_margin"
12    app:layout_behavior="@string/appbar_scrolling_view_behavior"
13    tools:context=".Lokacije_PovKret_Activity"
14    tools:showIn="@layout/activity_lokacije__pov_kret_">
15    <ListView
16        android:id="@+id/listView2"
17        android:layout_width="match_parent"
18        android:layout_height="250dp" />
19    <fragment
20        android:id="@+id/map2"
21        android:name="com.google.android.gms.maps.MapFragment"
22        android:layout_width="match_parent"
23        android:layout_height="380dp"
24        android:layout_below="@+id/listView2"
25        android:layout_alignParentStart="true"
26        android:layout_alignParentEnd="true"
27        android:layout_alignParentBottom="true"
28        android:layout_marginTop="13dp"
29        tools:layout="@layout/activity_lokacije__pov_kret_" />
30 </RelativeLayout>

```

### moj\_layout\_lokacije\_pov2.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout

```

```

3     xmlns:android="http://schemas.android.com/apk/res/android"
4     android:orientation="vertical"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent">
7     <TextView
8         android:layout_width="220dp"
9         android:layout_height="40dp"
10        android:text="New Text"
11        android:id="@+id/lokPrikaz"
12        android:gravity="center_vertical|center_horizontal"
13        android:typeface="serif"
14        android:textSize="16sp"
15        android:layout_gravity="center_horizontal"
16        android:layout_alignParentTop="true" />
17    <TextView
18        android:id="@+id/datumPrikaz2"
19        android:layout_width="126dp"
20        android:layout_height="40dp"
21        android:layout_alignParentTop="true"
22        android:layout_alignParentEnd="true"
23        android:layout_gravity="center_horizontal"
24        android:layout_toEndOf="@+id/lokPrikaz"
25        android:gravity="center_vertical|center_horizontal"
26        android:text="New Text"
27        android:textSize="12sp"
28        android:typeface="serif" />
29 </RelativeLayout>

```

### activity\_oprog.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <androidx.coordinatorlayout.widget.CoordinatorLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     tools:context=".Oprog_Activity"
9     android:background="@drawable/back_4">
10    <com.google.android.material.appbar.AppBarLayout
11        android:layout_width="match_parent"
12        android:layout_height="wrap_content"
13        android:theme="@style/AppTheme.AppBarOverlay">
14        <androidx.appcompat.widget.Toolbar
15            android:id="@+id/toolbar"
16            android:layout_width="match_parent"
17            android:layout_height="?attr/actionBarSize"
18            android:background="?attr/colorPrimary"
19            app:popupTheme="@style/AppTheme.PopupOverlay" />
20        </com.google.android.material.appbar.AppBarLayout>
21        <include layout="@layout/content_oprog" />
22 </androidx.coordinatorlayout.widget.CoordinatorLayout>

```

### content\_oprog.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <RelativeLayout
3     xmlns:android="http://schemas.android.com/apk/res/android"
4     xmlns:app="http://schemas.android.com/apk/res-auto"
5     xmlns:tools="http://schemas.android.com/tools"
6     android:layout_width="match_parent"
7     android:layout_height="match_parent"
8     android:paddingLeft="@dimen/activity_horizontal_margin"
9     android:paddingTop="@dimen/activity_vertical_margin"
10    android:paddingRight="@dimen/activity_horizontal_margin"
11    android:paddingBottom="@dimen/activity_vertical_margin"
12    app:layout_behavior="@string/appbar_scrolling_view_behavior"
13    tools:context=".Oprog_Activity"
14    tools:showIn="@layout/activity_oprog">
15    <WebView
16        android:id="@+id/webView"

```



```

17     android:layout_width="match_parent"
18     android:layout_height="match_parent"
19     android:layout_alignParentTop="true"
20     android:layout_marginTop="10dp" />
21 </RelativeLayout>

```

### menu\_glavna\_login.xml

```

1 <menu xmlns:android="http://schemas.android.com/apk/res/android"
2     xmlns:app="http://schemas.android.com/apk/res-auto"
3     xmlns:tools="http://schemas.android.com/tools"
4     tools:context=".Lokacije_Glavna_Activity">
5     <item
6         android:id="@+id/pri2"
7         android:icon="@android:drawable/stat_notify_chat"
8         android:title=""
9         app:showAsAction="ifRoom" />
10    <item
11        android:id="@+id/lok2"
12        android:orderInCategory="100"
13        android:title="@string/lokacija"
14        app:showAsAction="never" />
15    <item
16        android:id="@+id/pri"
17        android:orderInCategory="100"
18        android:title="@string/prijavak"
19        app:showAsAction="never" />
20    <item
21        android:id="@+id/lok"
22        android:icon="@android:drawable/ic_menu_mapmode"
23        android:title=""
24        app:showAsAction="ifRoom" />
25    <item
26        android:id="@+id/postavke"
27        android:orderInCategory="100"
28        android:title="@string/postavke"
29        app:showAsAction="never" />
30    <item
31        android:id="@+id/povijest1"
32        android:orderInCategory="100"
33        android:title="Povijest prijava"
34        app:showAsAction="never" />
35    <item
36        android:id="@+id/oprog"
37        android:orderInCategory="100"
38        android:title="@string/o_programu"
39        app:showAsAction="never" />
40    <item
41        android:id="@+id/odjava1"
42        android:orderInCategory="100"
43        android:title="@string/odjavite_se"
44        app:showAsAction="never" />
45 </menu>

```

### menu\_glavna\_lokacije.xml

```

1 <menu xmlns:android="http://schemas.android.com/apk/res/android"
2     xmlns:app="http://schemas.android.com/apk/res-auto"
3     xmlns:tools="http://schemas.android.com/tools"
4     tools:context=".Lokacije_Glavna_Activity">
5     <item
6         android:id="@+id/pri2"
7         android:icon="@android:drawable/stat_notify_chat"
8         android:title=""
9         app:showAsAction="ifRoom" />
10    <item
11        android:id="@+id/lok2"
12        android:orderInCategory="100"
13        android:title="@string/lokacija"
14        app:showAsAction="never" />
15    <item

```



```

16     android:id="@+id/pri"
17     android:orderInCategory="100"
18     android:title="@string/prijavak"
19     app:showAsAction="never" />
20 <item
21     android:id="@+id/lok"
22     android:icon="@android:drawable/ic_menu_mapmode"
23     android:title=""
24     app:showAsAction="ifRoom" />
25 <item
26     android:id="@+id/oprog"
27     android:orderInCategory="100"
28     android:title="@string/o_programu"
29     app:showAsAction="never" />
30 </menu>

```

## menu\_lokacije\_pov.xml

```

1 <menu xmlns:android="http://schemas.android.com/apk/res/android"
2     xmlns:app="http://schemas.android.com/apk/res-auto"
3     xmlns:tools="http://schemas.android.com/tools"
4     tools:context=".Lokacije_Pov_Activity">
5     <item
6         android:id="@+id/pri2"
7         android:icon="@android:drawable/stat_notify_chat"
8         android:title=""
9         app:showAsAction="always" />
10    <item
11        android:id="@+id/lok"
12        android:icon="@android:drawable/ic_menu_mapmode"
13        android:title=""
14        app:showAsAction="always" />
15    <item
16        android:id="@+id/comp"
17        android:icon="@android:drawable/ic_menu_compass"
18        android:title=""
19        app:showAsAction="always" />
20    <item
21        android:id="@+id/lok2"
22        android:orderInCategory="100"
23        android:title="Lokacija"
24        app:showAsAction="never" />
25    <item
26        android:id="@+id/pri"
27        android:orderInCategory="100"
28        android:title="@string/prijavak"
29        app:showAsAction="never" />
30    <item
31        android:id="@+id/oprog"
32        android:orderInCategory="100"
33        android:title="O programu"
34        app:showAsAction="never" />
35    <item
36        android:id="@+id/brisi_lok_pov"
37        android:orderInCategory="100"
38        android:title="Brisanje povijesti lokacija"
39        app:showAsAction="never" />
40 </menu>

```

## menu\_lokacije\_comp.xml

```

1 <menu xmlns:android="http://schemas.android.com/apk/res/android"
2     xmlns:app="http://schemas.android.com/apk/res-auto"
3     xmlns:tools="http://schemas.android.com/tools" tools:context=".Lokacije_comp">
4     <item
5         android:id="@+id/pri2"
6         android:icon="@android:drawable/stat_notify_chat"
7         android:title=""
8         app:showAsAction="ifRoom" />
9     <item
10        android:id="@+id/lok"

```

```

11     android:icon="@android:drawable/ic_menu_mapmode"
12     android:title=""
13     app:showAsAction="always" />
14 <item
15     android:id="@+id/lok2"
16     android:orderInCategory="100"
17     android:title="Lokacija"
18     app:showAsAction="never" />
19 <item
20     android:id="@+id/pri"
21     android:orderInCategory="100"
22     android:title="@string/prijavak"
23     app:showAsAction="never" />
24 <item
25     android:id="@+id/oprog"
26     android:orderInCategory="100"
27     android:title="O programu"
28     app:showAsAction="never" />
29 </menu>

```

### menu\_lokacije\_pov\_kret.xml

```

1 <menu xmlns:android="http://schemas.android.com/apk/res/android"
2     xmlns:app="http://schemas.android.com/apk/res-auto"
3     xmlns:tools="http://schemas.android.com/tools"
4     tools:context=".Lokacije_PovKret_Activity">
5     <item
6         android:id="@+id/lok"
7         android:icon="@android:drawable/ic_menu_mapmode"
8         android:title=""
9         app:showAsAction="always" />
10    <item
11        android:id="@+id/lok2"
12        android:orderInCategory="100"
13        android:title="Lokacija"
14        app:showAsAction="never" />
15    <item
16        android:id="@+id/pri"
17        android:orderInCategory="100"
18        android:title="@string/prijavak"
19        app:showAsAction="never" />
20    <item
21        android:id="@+id/pri2"
22        android:icon="@android:drawable/stat_notify_chat"
23        android:title=""
24        app:showAsAction="ifRoom" />
25    <item
26        android:id="@+id/oprog"
27        android:orderInCategory="100"
28        android:title="O programu"
29        app:showAsAction="never" />
30    <item
31        android:id="@+id/brisi_lok_pov_kre"
32        android:orderInCategory="100"
33        android:title="Brisanje povijesti kretanja"
34        app:showAsAction="never" />
35 </menu>

```

## Pomoćni dokumenti

### colors.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <resources>
3     <color name="colorPrimary">#5BAFA6</color>
4     <color name="colorPrimaryDark">#00574B</color>
5     <color name="colorAccent">#D81B60</color>
6 </resources>

```

### dimens.xml

```

7 <resources>

```

```

8     <dimen name="activity_horizontal_margin">16dp</dimen>
9     <dimen name="activity_vertical_margin">16dp</dimen>
10    <dimen name="fab_margin">16dp</dimen>
11 </resources>

```

## strings.xml

```

1 <resources>
2     <string name="app_name">ZAVRŠNI_RAD_K_L</string>
3     <string name="action_settings">Postavke</string>
4     <string name="title_activity_oprog_">Oprog_Activity</string>
5     <string name="title_activity_lokacije_glavna_">Map</string>
6     <string
7         name="title_activity_lokacije_pov_kret_">Lokacije_PovKret_Activity</string>
8     <string name="title_activity_lokacije_pov_">Lokacije_Pov_Activity</string>
9     <string name="title_activity_act_test">Act_Test</string>
10    <string name="IME">Završni rad</string>
11    <string
12        name="title_activity_activity_lokacije_comp">activity_lokacije_comp</string>
13    <string name="title_activity_main">MainActivity</string>
14    <string name="longituda">Longituda:</string>
15    <string name="visina">Visina:</string>
16    <string name="latituda">Latituda:</string>
17    <string name="todo">TODO</string>
18    <string name="Prikazi_spr_lok" />
19    <string name="Lociraj_spremi" />
20    <string name="Spemi_snimljeno" />
21    <string name="Pokazi_spr_rutu" />
22    <string name="Snimaj" />
23    <string name="Prikazi_trenutno" />
24    <string name="Stani" />
25    <string name="Lociraj" />
26    <string name="_1">1</string>
27    <string name="new_button">New Button</string>
28    <string name="title_activity_maps_test">Map</string>
29    <string name="lokacija">Lokacija</string>
30    <string name="prijavak">Prijavak</string>
31    <string name="postavke">Postavke</string>
32    <string name="odjavite_se">Odjavite se</string>
33    <string name="dodajte_lokaciju_prijave">Dodajte lokaciju prijave</string>
34    <string name="o_programu">O programu</string>
35 </resources>

```

## styles.xml

```

1 <resources>
2     <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
3         <item name="colorPrimary">@color/colorPrimary</item>
4         <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
5         <item name="colorAccent">@color/colorAccent</item>
6     </style>
7     <style name="AppTheme.NoActionBar" >
8         <item name="windowActionBar">>false</item>
9         <item name="windowNoTitle">>true</item>
10    </style>
11    <style name="AppTheme.AppBarOverlay"
12        parent="ThemeOverlay.AppCompat.Dark.ActionBar" />
13    <style name="AppTheme.PopupOverlay" parent="ThemeOverlay.AppCompat.Light" />
14 </resources>

```

## google\_maps\_api.xml

```

1 <resources>
2 <string name="google_maps_key" templateMergeStrategy="preserve"
3     translatable="false">AIzaSyDed3B8eNUejI0gBkc6RLpDdjhiCwYEmNA</string>
4 </resources>

```

## file\_paths.xml

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <paths xmlns:android="http://schemas.android.com/apk/res/android">
3     <external-path name="my_images"

```

```
4 path="Android/data/com.unin.kl.zavrsni_rad_kl/files/Pictures" />
5 </paths>
```

### **build.gradle (\Zavrsni\_rad\_KL\app)**

```
1 buildscript {
2     repositories {
3         google()
4         jcenter()
5     }
6 }
7 dependencies {
8     classpath 'com.android.tools.build:gradle:3.4.2'
9 }
10 }
11 allprojects {
12     repositories {
13         google()
14         jcenter()
15     }
16 }
17 task clean(type: Delete) {
18     delete rootProject.buildDir
19 }
```

### **build.gradle (\Zavrsni\_rad\_KL\app)**

```
1 apply plugin: 'com.android.application'
2 android {
3     compileSdkVersion 28
4     defaultConfig {
5         applicationId "com.unin.kl.zavrsni_rad_kl"
6         minSdkVersion 26
7         targetSdkVersion 28
8         versionCode 1
9         versionName "1.0"
10        testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
11    }
12    buildTypes {
13        release {
14            minifyEnabled false
15            proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'),
16            'proguard-rules.pro'
17        }
18    }
19    compileOptions {
20        sourceCompatibility = '1.8'
21        targetCompatibility = '1.8'
22    }
23    buildToolsVersion = '28.0.3'
24 }
25 dependencies {
26     implementation fileTree(dir: 'libs', include: ['*.jar'])
27     implementation 'androidx.recyclerview:recyclerview:1.0.0'
28     implementation 'androidx.appcompat:appcompat:1.0.2'
29     implementation 'com.google.android.gms:play-services-maps:17.0.0'
30     implementation 'com.google.android.material:material:1.0.0'
31     implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
32     implementation "com.android.support:support-compat:28.0.0"
33     implementation 'com.android.volley:volley:1.1.1'
34     implementation 'com.squareup.picasso:picasso:2.71828'
35     testImplementation 'junit:junit:4.12'
36     androidTestImplementation 'androidx.test:runner:1.2.0'
37     androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0'
```