Izvedba Android mobilne aplikacije s primjenom lokacijskih servisa

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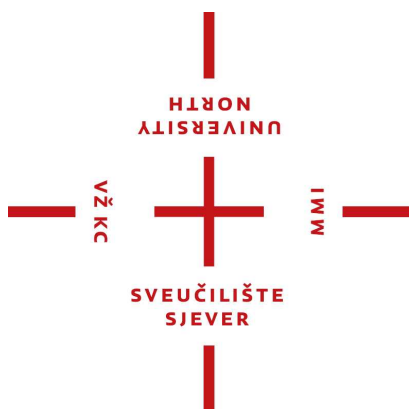
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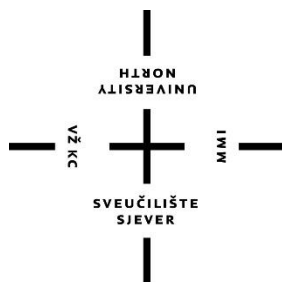
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Izvedba Android mobilne aplikacije s primjenom lokacijskih servisa

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Prilog

Sadržaj

Web stranica za prikaz prijava
index.php

```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

```html
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: anoniman</tr>";
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: "
```

2

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

prikaz.php

```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     $tablica = "";
30     if($admin==1){
31         $tablica .= "<script>function odgovor(id_pr){var pom1 = id_pr.toString"
32                 . "();var por = document.getElementById('odg').value;var xhttp"
33                 . " = new XMLHttpRequest();xhttp.onreadystatechange = function"
34                 . "() {if (this.readyState == 4 && this.status == 200) {if(this"
35                 . ".responseText=='uspjeh_odgovor'){alert('Odgovor je poslan!')"
36                 . ";}}};xhttp.open('GET', 'http://".$server_ip."/zavrsnirad/"
37                 . "admin.php?tip=odgovor&id_pr='+pom1+'&por='+por, true);"
38                 . "xhttp.send();}</script>";
39         $tablica .= "<script>function brisi(id_pr) {if (confirm('Da li "
40                 . "želite izbrisati?')){var pom1 = id_pr.toString();var "
41                 . "xhttp = new XMLHttpRequest();xhttp.onreadystatechange = "
42                 . "function() {if (this.readyState == 4 && this.status == 200) "
43                 . "{if(this.responseText=='uspjeh_brisanje'){window.location."
44                 . "href ='http://".$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         $tablica .= "<script>function odjava(){window.location.href "
49                 . "= 'http://".$server_ip."/zavrsnirad/odjava.php';}"
50                 . ""
51                 . "</script>";
52         $tablica .= "<body><div><button type='button' class='btn btn-danger
53                 btn-md' id = 'brisi' name='brisi' align='right' onclick='brisi
54                 (".$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          $tablica .= "<script>function odjava(){window.location.href
60              = 'http://".$server_ip."/zavrsnirad/odjava.php';}</script>";
61          $tablica .= "<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      $tablica_s = "";
66      $pad = "";
67      $tablica .= "<table class='table table-striped' align='center'>"
68          . "<thead></thead><tbody>";
69      if($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                  $tablica_s .= "<td><img src='".$url."' alt='Trulli' "
80                      . "width='500' height='300'></td>";
81              }
82              $tablica .= "<tr><td>Slike</td>".$pad."</tr><tr>$tablica_s</tr>";
83          }
84      }
85      if($id_kor==0){
86          $tablica .= "<tr><td>Prijavio</td><td>anoniman korisnik</td>".$pad.""
87              . "</tr><tr>";
88      }
89      else{
90          $tablica .= "<tr><td>Prijavio</td><td>Korisnik: ".$row3[0]." "
91          . "Ime i prezime: ".$row3[1]." ".$row3[2]." OIB: ".$row3[3].""
92          . "</td>".$pad."</tr>";
93      }
94      $tablica .= "<tr><td>Vrijeme prijave</td><td>".$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         $tablica .= "<tr><td>Odgovor administratora</td><td><textarea id = "
102             . "'odg' rows='10' cols='50'>".$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 $tablica;
108     }
109     else{
110         $tablica .= "<tr><td>Odgovor administratora</td><td>".$row1[10]."</td>"
111             . "".$pad."</tr></tbody></table>";
112         echo $tablica;
113     }
114 }
115 $spoj->close();
116 ?>
```

odajva.php

```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

```php
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

```php
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

```php
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 $mysql_upit2 = "select * from prijave where id_prijave = '$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 prijave";
36                $result2 = mysqli_fetch_array(mysqli_query($spoj,$sql));
37                mysqli_close($spoj);
38                return $result2['id_prijave'];
39        }
40 ?>
```

slike.php skripta

```php
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.'\/zavrsnirad\/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.zavrsni_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;
```

```java
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,
    Lokacije_Glavna_Activity.class);
74                startActivity(inte);
75                finish();
76            }
77            if (id == R.id.postavke) {
78                Intent inte= new Intent(Login_Activity.this, Postavke_Activity.class);
79                startActivity(inte);
80                finish();
81            }
```

9

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

Registracija_Activity.java

```java
1  package com.unin.kl.zavrsni_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;
```

```java
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.odjava1);
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,
   Oprog_Activity.class);
49              startActivity(inte);
50          }
51          if (id == R.id.lok || id == R.id.lok2) {
52              Intent inte= new Intent(Registracija_Activity.this,
   Lokacije_Glavna_Activity.class);
53              startActivity(inte);
54              finish();
55          }
56          if (id == R.id.pri || id == R.id.pri2) {
57              Intent inte= new Intent(Registracija_Activity.this,
   Login_Activity.class);
58              startActivity(inte);
59              finish();
60          }
61          if (id == R.id.postavke) {
62              Intent inte= new Intent(Registracija_Activity.this,
   Postavke_Activity.class);
63              startActivity(inte);
64          }
65          if (id == R.id.odjava1) {
66              if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
67                  ((Varijable) this.getApplication()).setVar_log("da");
68                  ((Varijable) this.getApplicationContext()).setVar_user(0);
69                  ((Varijable) this.getApplicationContext()).setVar_ime("");
70                  ((Varijable) this.getApplicationContext()).setVar_prezime("");
71                  ((Varijable) this.getApplicationContext()).setVar_oib("");
72                  ((Varijable)
   this.getApplicationContext()).setVar_korisnicko_ime("");
73                  ((Varijable) this.getApplicationContext()).setVar_lozinka("");
74                  Intent inte = new Intent(Registracija_Activity.this,
   Login_Activity.class);
75                  startActivity(inte);
76                  finish();
77              }
78          }
79          return super.onOptionsItemSelected(item);
80      }
81      public void dozvolaKlik(View v){
82          dozvola = ((CheckBox) v).isChecked();
83      }
84      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.zavrsni_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(((Varijable) this.getApplicationContext()).getVar_ime());
41          et_prezime.setText(((Varijable)
    this.getApplicationContext()).getVar_prezime());
42          et_oib.setText(((Varijable) this.getApplicationContext()).getVar_oib());
43          et_korisnik.setText(((Varijable)
    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.odjava1);
89          MenuItem povijest = menu.findItem(R.id.povijest1);
90          if(((Varijable) this.getApplication()).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.odjava1) {
118             odjava();
119         }
120         if(id == R.id.povijest1){
121             Intent inte= new Intent(Postavke_Activity.this,
    PovPrijava_Activity.class);
122             startActivity(inte);
123             finish();
124         }
125         return super.onOptionsItemSelected(item);
126     }
127     @Override
128     public void onResume() {
129         super.onResume();
130         invalidateOptionsMenu();
131     }
132     public void user_id(){
133         user_id = ((Varijable) this.getApplicationContext()).getVar_user();
134     }
135     public void brisanje() {
136         AlertDialog.Builder builder=new AlertDialog.Builder(this);
137         builder.setTitle("Upozorenje").setMessage("Da li želite izbrisati?");
138         builder.setCancelable(false);
139         builder.setNegativeButton("NE", new DialogInterface.OnClickListener() {
140             @Override
141             public void onClick(DialogInterface dialog, int which) {
142                 klikNe();
143             }
144         });
145         builder.setPositiveButton("DA", new DialogInterface.OnClickListener() {
146             @Override
147             public void onClick(DialogInterface dialog, int which) {
148                 klikDa();
149             }
150         });
151         AlertDialog poruka=builder.create();
152         poruka.show();
153     }
154     public void klikNe(){
155     }
156     public void klikDa(){
157         tip = "brisanje";
158         user_id();
159         Konektor konektor = new Konektor(this);
160         konektor.execute(tip, String.valueOf(user_id));
161     }
162     public void odjava(){
163         if(((Varijable) this.getApplication()).getVar_log().equals("ne")) {
164             ((Varijable) this.getApplication()).setVar_log("da");
165             ((Varijable) this.getApplicationContext()).setVar_user(0);
166             ((Varijable) this.getApplicationContext()).setVar_ime("");
167             ((Varijable) this.getApplicationContext()).setVar_prezime("");
168             ((Varijable) this.getApplicationContext()).setVar_oib("");
169             ((Varijable) this.getApplicationContext()).setVar_korisnicko_ime("");
170             ((Varijable) this.getApplicationContext()).setVar_lozinka("");
171             Intent inte = new Intent(Postavke_Activity.this, Login_Activity.class);
172             startActivity(inte);
173             finish();
174         }
175     }
176     public void promjena(){
177         tip = "promjena";
178         user_id();
```

14

```
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.zavrsni_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;
```

```java
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);
```

16

```
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(ll);
122             }
123             @Override
124             public void onStatusChanged(String provider, int status, Bundle extras)
   {         }
125             @Override
126             public void onProviderEnabled(String provider) {             }
127             @Override
128             public void onProviderDisabled(String provider) {              }
129         };
130         bloc.setOnClickListener(new View.OnClickListener() {
131             @Override
132             public void onClick(View v) {
133                 if (checkSelfPermission(Manifest.permission.ACCESS_FINE_LOCATION)
   !=
134                         PackageManager.PERMISSION_GRANTED &&
135
   checkSelfPermission(Manifest.permission.ACCESS_COARSE_LOCATION) !=
136                             PackageManager.PERMISSION_GRANTED) {
137                     return;
138                 }
139                 lm.requestLocationUpdates(LocationManager.GPS_PROVIDER, 100, 0,
   ll);
140             }
141         });
142         bfot.setOnClickListener(new View.OnClickListener() {
143             @Override
144             public void onClick(View v) {
145                 izradiSliku();
146             }
147         });
148         bgal.setOnClickListener(new View.OnClickListener() {
149             @Override
150             public void onClick(View v) {
151                 if(ActivityCompat.checkSelfPermission(Prijava_Activity.this,
152                     Manifest.permission.READ_EXTERNAL_STORAGE) !=
   PackageManager.PERMISSION_GRANTED){
153                     ActivityCompat.requestPermissions(Prijava_Activity.this,
154                         new
   String[]{Manifest.permission.READ_EXTERNAL_STORAGE}, 100);
155                 }
156                 Intent intent = new Intent(Intent.ACTION_GET_CONTENT);
157                 intent.putExtra(Intent.EXTRA_ALLOW_MULTIPLE, true);
158                 intent.setType("image/*");
159                 startActivityForResult(intent, 1);
160             }
161         });
162         prozPogled.setOnTouchListener(new View.OnTouchListener() {
163             @Override
164             public boolean onTouch(View view, MotionEvent motionEvent) {
165                 switch (motionEvent.getAction()) {
166                     case MotionEvent.ACTION_UP:
167                         view.getParent().requestDisallowInterceptTouchEvent(false);
168                         break;
169                     default:
170                         view.getParent().requestDisallowInterceptTouchEvent(true);
171                 }
172                 return false;
173             }
174         });
175         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(((Varijable) 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);
```

```java
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)
    this.getApplicationContext()).setVar_korisnicko_ime("");
252                ((Varijable) this.getApplicationContext()).setVar_lozinka("");
253                Intent inte = new Intent(Prijava_Activity.this,
    Login_Activity.class);
254                startActivity(inte);
255                finish();
256                recreate();
257            }
258        }
259        if(id == R.id.povijest1){
260            Intent inte= new Intent(Prijava_Activity.this,
    PovPrijava_Activity.class);
261            startActivity(inte);
262        }
263        return super.onOptionsItemSelected(item);
264    }
265    private void izradiSliku() {
266        Intent takePictureIntent = new Intent(MediaStore.ACTION_IMAGE_CAPTURE);
267        if (takePictureIntent.resolveActivity(getPackageManager()) != null) {
268            File photoFile = null;
269            try {
270                photoFile = slikaFile();
271            } catch (IOException ex) {
272            }
273            if (photoFile != null) {
274                Uri photoURI = FileProvider.getUriForFile(this,
275                        "com.unin.kl.zavrsni_rad_kl.fileprovider",
276                        photoFile);
277                takePictureIntent.putExtra(MediaStore.EXTRA_OUTPUT, photoURI);
278                startActivityForResult(takePictureIntent, 2);
279            }
280        }
281    }
282    private File slikaFile() throws IOException {
283        String datum = new SimpleDateFormat("yyyyMMdd_HHmmss").format(new Date());
284        String strImeSlike = "JPEG_" + datum + "_";
285        File dirPohrana = getExternalFilesDir(Environment.DIRECTORY_PICTURES);
286        File slika = File.createTempFile(
287                strImeSlike,  /* prefix */
288                ".jpg",        /* suffix */
289                dirPohrana     /* datoteka */
290        );
291        dirSlika = slika.getAbsolutePath();
292        return slika;
293    }
294    @Override
295    public void onItemClick(View view, int position) {
296        odabraneSlike.remove(position);
297        adapter.notifyDataSetChanged();
298    }
299    @Override
300    public void onMapReady(GoogleMap googleMap) {
301        mMap = googleMap;
302        postaviKartu();
303    }
304    void postaviKartu (){
305        mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
306    }
307    @Override
308    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 =((Varijable) this.getApplicationContext()).getVar_anon();
315        korisnik_id = (((Varijable) 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.zavrsni_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(((Varijable)
   this.getApplication()).getVar_user()));
28         RecyclerView recyclerView = findViewById(R.id.rv2);
29         @SuppressLint("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.setClickListener(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);
```

```java
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,
    Oprog_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) {
```

22

```java
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,
    PrijavaSpr_Activity.class);
157         startActivity(inte);
158     }
159 }
```

MojeRcyclerViewAdapter2.java

```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.TextView;
7   import androidx.annotation.NonNull;
8   import androidx.recyclerview.widget.RecyclerView;
9   import java.util.List;
10  public class MojRecyclerViewAdapter2 extends
    RecyclerView.Adapter<MojRecyclerViewAdapter2.ViewHolder> {
11      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.zavrsni_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<>();
```

24

```
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 = ((Varijable) 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(((Varijable) 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();
```

```java
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.slika1, 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       public String getVar_oib() { return oib; }
27       public void setVar_oib(String sVar_oib) { this.oib = sVar_oib; }
28       public String getVar_korisnicko_ime() { return korisnicko_ime; }
29       public void setVar_korisnicko_ime(String sVar_korisnicko_ime) {
   this.korisnicko_ime = sVar_korisnicko_ime; }
30       public String getVar_lozinka() { return lozinka; }
31       public void setVar_lozinka(String sVar_lozinka) { this.lozinka = sVar_lozinka;
   }
32       public ArrayList getVar_podaci() { return podaciArray; }
33       public void setVar_podaci(ArrayList sVar_podaci) { this.podaciArray =
   sVar_podaci; }
34       public ArrayList getVar_slike() { return slikeArray; }
35       public void setVar_slike(ArrayList sVar_slike) { this.slikeArray = sVar_slike;
   }
36    }
```

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;
```

```java
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();
```

```java
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 = (HttpURLConnection)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")+"="
107                         +URLEncoder.encode(ime,"UTF-8")+
108                         "&"+URLEncoder.encode("prezime","UTF-8")+"="
109                         + URLEncoder.encode(prezime,"UTF-8")+
110                         "&"+URLEncoder.encode("oib","UTF-8")+"="
111                         + URLEncoder.encode(oib,"UTF-8")+
112                         "&"+URLEncoder.encode("korisnicko_ime","UTF-8")+"="
113                         + URLEncoder.encode(korisnicko_ime,"UTF-8")+
114                         "&"+URLEncoder.encode("lozinka","UTF-8")+"="
115                         + URLEncoder.encode(lozinka,"UTF-8");
116                 bufferPisac.write(post_data);
117                 bufferPisac.flush();
118                 bufferPisac.close();
119                 izlazniStream.close();
120                 ulazniStream = httpURLKonekcija.getInputStream();
121                 bufferCitac = new BufferedReader(new
     InputStreamReader(ulazniStream,
122                         "UTF-8"));
123                 rezultat = "";
124                 linija = "";
125                 while((linija = bufferCitac.readLine())!= null) {
126                     rezultat += linija;
127                 }
128                 bufferCitac.close();
129                 ulazniStream.close();
130                 httpURLKonekcija.disconnect();
131                 return rezultat;
132             } catch (MalformedURLException e) {
133                 e.printStackTrace();
134             } catch (IOException e) {
135                 e.printStackTrace();
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 = (HttpURLConnection)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 = (HttpURLConnection)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 = (HttpURLConnection)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"));
```

```java
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 = (HttpURLConnection)
   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"));
```

33

```java
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            }
```

```java
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[] podaci1 = 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                      podaci1 = new String[jsonArray.length()];
541                      for (int i = 0; i < jsonArray.length(); i++) {
542                          podaci1[i] = jsonArray.getString(i);
543                      }
544                  } catch (JSONException e) {
545                      e.printStackTrace();
546                  }
547                  for(int i = 0; i < podaci1.length; i++){
548                      ((PovPrijava_Activity) kontekst).obradaPodaci(podaci1[i]);
549                      if((podaci1.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[] podaci1 = 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                      podaci1 = new String[jsonArray.length()];
567                      for (int i = 0; i < jsonArray.length(); i++) {
568                          podaci1[i] = jsonArray.getString(i);
569                      }
570                  } catch (JSONException e) {
571                      e.printStackTrace();
572                  }
573                  for(int i = 0; i < podaci1.length; i++){
574                      ((PovPrijava_Activity) kontekst).obradaSlike(podaci1[i]);
575                      if((podaci1.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.zavrsni_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 = "";
```

```java
58        String vrijeme_sprem = "";
59        String def = " ??? ";
60        static MojaBP mojaBP;
61        @SuppressLint("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)
   getFragmentManager().findFragmentById(R.id.map1);
74            mapFragment.getMapAsync(this);
75            LocationManager lm = (LocationManager)
   this.getSystemService(Context.LOCATION_SERVICE);
76            LocationListener ll = new LocationListener() {
77                public void onLocationChanged(Location loc) {
78                    if (zas1 == true) {
79                        lat_tv.setText(String.valueOf(loc.convert(loc.getLatitude(),
   loc.FORMAT_SECONDS)));
80                        long_tv.setText(String.valueOf(loc.convert(loc.getLongitude(),
   loc.FORMAT_SECONDS)));
81                        vis_tv.setText(String.valueOf(loc.getAltitude()));
82                        lat = Double.valueOf(loc.getLatitude());
83                        lon = Double.valueOf(loc.getLongitude());
84                        vis = Double.valueOf(loc.getAltitude());
85                        lat_pr = String.valueOf(loc.convert(loc.getLatitude(),
   loc.FORMAT_SECONDS));
86                        lon_pr = String.valueOf(loc.convert(loc.getLongitude(),
   loc.FORMAT_SECONDS));
87                        vis_pr = String.valueOf(loc.getAltitude());
88                        acc = loc.getAccuracy();
89                        bear = loc.getBearing();
90                        prov = loc.getProvider();
91                        speed = loc.getSpeed();
92                        fix_time = loc.getTime();
93                        fix_pass_time = loc.getElapsedRealtimeNanos();
94                        SharedPreferences sp =
   getSharedPreferences("SP_LOKACIJA_STVARI", MODE_PRIVATE);
95                        SharedPreferences.Editor sped = sp.edit();
96                        sped.putString("lat", String.valueOf(lat));
97                        sped.putString("lon", String.valueOf(lon));
98                        sped.putString("vis", String.valueOf(vis));
99                        sped.putString("acc", String.valueOf(acc));
100                       sped.putString("bear", String.valueOf(bear));
101                       sped.putString("prov", String.valueOf(prov));
102                       sped.putString("speed", String.valueOf(speed));
103                       sped.putString("fix_time", String.valueOf(fix_time));
104                       sped.putString("fix_pass_time", String.valueOf(fix_pass_time));
105                       sped.commit();
106                       LatLng moja_lokacija = new LatLng(lat, lon);
107                       mMap.clear();
108                       mMap.addMarker(new
   MarkerOptions().position(moja_lokacija).title("TRENUTNA LOKACIJA"));
109
   mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(moja_lokacija, 19));
110                       zas4 = true;
111                       zas3 = true;
112                       if (zas2 == true) {
113                           snimanje();
114                       }
115                   } else {
116                       lat_tv.setText(" ??? ");
117                       long_tv.setText(" ??? ");
118                       vis_tv.setText(" ??? ");
```

39

```
119                 mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0,
   0), 1));
120                 zas4 = false;
121             }
122         }
123         public void onStatusChanged(String provider, int status, Bundle extras)
   {        }
124         public void onProviderEnabled(String provider) {          }
125         public void onProviderDisabled(String provider) {          }
126     };
127     if (ActivityCompat.checkSelfPermission(this,
128             Manifest.permission.ACCESS_FINE_LOCATION)
129             != PackageManager.PERMISSION_GRANTED
130             && ActivityCompat.checkSelfPermission(this,
131             Manifest.permission.ACCESS_COARSE_LOCATION)
132             != PackageManager.PERMISSION_GRANTED) {
133         return;
134     }
135     lm.requestLocationUpdates(LocationManager.GPS_PROVIDER, 100, 0, ll);
136 }
137 @Override
138 public void onMapReady(GoogleMap googleMap) {
139     mMap = googleMap;
140     postaviKartu();
141 }
142 void postaviKartu() {
143     mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
144 }
145 public void klikSnimaj(View v) {
146     if (zas1 == false && zas4 == false) {
147         Toast.makeText(getApplicationContext(), "NE MOŽETE PRATITI NEMATE
   LOKACIJU!",
148                 Toast.LENGTH_SHORT).show();
149     } else {
150         Toast.makeText(getApplicationContext(), "PRATIM KRETANJE",
   Toast.LENGTH_SHORT)
151                 .show();
152         SharedPreferences sp = getSharedPreferences("SPREMANJE_kretanje:",
   MODE_PRIVATE);
153         SharedPreferences.Editor sped = sp.edit();
154         sp.edit().clear().commit();
155         sped.commit();
156         lok_up = 1;
157         zas2 = true;
158         if (lat != 0 || lon != 0) {
159             snimanje();
160         }
161     }
162 }
163 public void klikLociraj(View v) {
164     if (zast1 == true) {
165         zas1 = false;
166         Toast.makeText(getApplicationContext(), "NE TRAŽIM LOKACIJU",
   Toast.LENGTH_SHORT)
167                 .show();
168         lat_tv.setText(def);
169         long_tv.setText(def);
170         vis_tv.setText(def);
171         mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0),
   1));
172         mMap.clear();
173         zast1 = false;
174     } else {
175         Toast.makeText(getApplicationContext(), "TRAŽIM LOKACIJU",
   Toast.LENGTH_SHORT)
176                 .show();
177         zast1 = true;
178         zas1 = true;
179         if(lat != 0 && lon != 0 && zas3 == false){
180             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 klikSpremiSnimano1(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 sp1 = getSharedPreferences("SPREMANJE_kretanje:",
    MODE_PRIVATE);
237            pom3 = sp1.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);
```

```java
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 = sp1.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            }
257        }else{Toast.makeText(getApplicationContext(),
258            "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 inte1= new Intent(Lokacije_Glavna_Activity.this,
   Lokacije_Pov_Activity.class);
275        startActivity(inte1);
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,
      Oprog_Activity.class);
314                    startActivity(inte);
315              }
316              if (id == R.id.pri || id == R.id.pri2) {
317                    Intent inte= new Intent(Lokacije_Glavna_Activity.this,
      Login_Activity.class);
318                    startActivity(inte);
319                    finish();
320              }
321              return super.onOptionsItemSelected(item);
322        }
323 }
```

Lokacije_Pov_Activity.java

```
1    package com.unin.kl.zavrsni_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.ArrayAdapter;
15   import android.widget.ListView;
16   import android.widget.Toast;
17   import com.google.android.gms.maps.CameraUpdateFactory;
18   import com.google.android.gms.maps.GoogleMap;
19   import com.google.android.gms.maps.MapFragment;
20   import com.google.android.gms.maps.OnMapReadyCallback;
21   import com.google.android.gms.maps.model.LatLng;
22   import com.google.android.gms.maps.model.MarkerOptions;
23   import java.util.ArrayList;
24
25   public class Lokacije_Pov_Activity extends AppCompatActivity implements
     OnMapReadyCallback {
26        public GoogleMap mMap;
27        String broj_spremanja_str = "0";
28        String del_id = "";
29        int broj_spremanja = 0;
30        ListView popisLV1;
31        ArrayList<String> mojiPodaci1;
32        ArrayAdapter<String> mojAdapterLok2;
33        boolean zast=false;
34        static MojaBP mojaBP;
35        private static Lokacije_Pov_Activity sLokacije_Pov_Activity;
36        boolean zas_b = false;
37        @Override
38        protected void onCreate(Bundle savedInstanceState) {
39              super.onCreate(savedInstanceState);
40              setContentView(R.layout.activity_lokacije__pov_);
41              Toolbar toolbar3 = (Toolbar) findViewById(R.id.toolbar3);
42              setSupportActionBar(toolbar3);
43              mojaBP = new MojaBP(this);
44              popisLV1 = (ListView) findViewById(R.id.listView_lokacije);
```

```
45          mojiPodaci1 = new ArrayList<String>();
46          mojAdapterLok2 = new MojAdapterLok2(this,
   R.layout.moj_layout_lokacije_pov2,
47             mojiPodaci1);
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 onItemLongClick(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                      if(mojePolje.get(which)=="POSTAVI KAO METU 2"){ sp_tar2();
   }
79                   }
80                });
81                builder1.setCancelable(false);
82                builder1.setPositiveButton("Zatvori", null);
83                AlertDialog alert = builder1.create();
84                builder1.show();
85                return true;
86             }
87          });
88       }
89       @Override
90       public void onMapReady(GoogleMap googleMap) {
91          mMap = googleMap;
92          postaviKartu();
93       }
94       void postaviKartu (){
95          mMap.setMapType(GoogleMap.MAP_TYPE_HYBRID);
96       }
97       @Override
98       protected void onStart() {
99          super.onStart();
100         pokazi1();
101         zast=false;
102      }
103      @Override
104      public boolean onCreateOptionsMenu(Menu menu) {
```

```java
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,
126                          Lokacije_comp.class);
127                  startActivity(inte);
128              }
129          }
130          if (id == R.id.lok || id == R.id.lok2) {
131              Intent inte= new Intent(Lokacije_Pov_Activity.this,
132                      Lokacije_Glavna_Activity.class);
133              inte.setFlags(Intent.FLAG_ACTIVITY_CLEAR_TOP);
134              startActivity(inte);
135              finish();
136          }
137          if (id == R.id.pri || id == R.id.pri2) {
138              Intent inte= new Intent(Lokacije_Pov_Activity.this,
     Login_Activity.class);
139              startActivity(inte);
140              finish();
141          }
142          if (id == R.id.brisi_lok_pov) {
143              zas_b = true;
144              obrisiPritisnuto();
145          }
146          return super.onOptionsItemSelected(item);
147     }
148     public static Lokacije_Pov_Activity getInstance() { return
     sLokacije_Pov_Activity; }
149     public void pokazi1(){
150          Cursor podaci_LOK = mojaBP.dohvatiPodatke_LOK();
151          if (podaci_LOK.getCount() == 0) {
152              mojiPodaci1.clear();
153              mojAdapterLok2.notifyDataSetChanged();
154              if(zast==true){
155                  mMap.moveCamera(CameraUpdateFactory.newLatLngZoom(new LatLng(0, 0),
     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     }
```

```java
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          pokazi1();
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.ArrayAdapter;
8  import android.widget.TextView;
9  import java.util.ArrayList;
10 public class MojAdapterLok2 extends ArrayAdapter<String> {
11     String id;
12     private ArrayList<String> podaci3;
13     public MojAdapterLok2 (Context context, int resource, ArrayList<String>
   podaci3) {
14         super(context, resource, podaci3);
15         this.podaci3 = podaci3;
16     }
17     @Override
18     public View getView(final int position, View convertView, ViewGroup parent) {
19         View view=convertView;
20         if (view == null) {
21             LayoutInflater inflater = (LayoutInflater)
22                     getContext().getSystemService(Context.LAYOUT_INFLATER_SERVICE);
23             view = inflater.inflate(R.layout.moj_layout_lokacije_pov2, null);
24         }
25         String podatak=this.podaci3.get(position);
26         String split1[] = podatak.split("\\?");
27         String vrijeme = split1[1];
28         String split2[] = split1[0].split("\\&");
29         String split3[] = split2[0].split("\\*");
30         Location location = new Location("");
31         location.setLatitude(Double.parseDouble(split3[1]));
32         location.setLongitude(Double.parseDouble(split2[1]));
33         String lat_pr =
   String.valueOf(location.convert(location.getLatitude(),location.FORMAT_SECONDS));
34         String lon_pr =
   String.valueOf(location.convert(location.getLongitude(),location.FORMAT_SECONDS));
35         TextView datumPrikaz_tv=(TextView)view.findViewById(R.id.datumPrikaz2);
36         datumPrikaz_tv.setText(vrijeme);
37         TextView lokPrikaz_tv=(TextView)view.findViewById(R.id.lokPrikaz);
38         lokPrikaz_tv.setText("Lat: "+lat_pr+"\n"+"Long: "+lon_pr);
39         return view;
40     }
41 }
```

Lokacije_comp.java

```java
1   package com.unin.kl.zavrsni_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      public GoogleMap mMap;
26      String lat1_s = "****";
27      String lon1_s = "****";
28      String vis1_s = "****";
29      String acc1_s = "****";
30      String smj1_s = "****";
31      String izv1_s = "****";
32      String brz1_s = "****";
33      String vri1_s = "****";
34      String vri_f1_s = "****";
35      String star1_s = "****";
36      String lat2_s = "****";
37      String lon2_s = "****";
38      String vis2_s = "****";
39      String acc2_s = "****";
40      String smj2_s = "****";
41      String izv2_s = "****";
42      String brz2_s = "****";
43      String vri2_s = "****";
44      String vri_f2_s = "****";
45      String star2_s = "****";
46      String dist_s = "****";
47      String bear1_s = "****";
48      String bear2_s = "****";
49      String raz_vis_s ="****";
50      String id1_str = "****";
51      String id2_str = "****";
52      LatLng moja_lokacija1 = new LatLng(0, 0);
53      LatLng moja_lokacija2 = new LatLng(0, 0);
54      static MojaBP mojaBP;
55      ArrayList<String> podaci;
56      ArrayAdapter<String> adapter;
57      @Override
58      protected void onCreate(Bundle savedInstanceState) {
59          super.onCreate(savedInstanceState);
60          setContentView(R.layout.activity_lokacije_comp);
61          Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
62          setSupportActionBar(toolbar);
63          MapFragment mapFragment = (MapFragment)
    getFragmentManager().findFragmentById(R.id.map7);
64          mapFragment.getMapAsync(Lokacije_comp.this);
65          mojaBP = new MojaBP(this);
66          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          acc1_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);
```

```java
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: " + acc1_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.zavrsni_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 zas1 = 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          pokazi1();
100         zas1 = true;
101     }
102     public void pokazi1(){
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),
       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 =
    mojaBP.dohvatiPodatke_RUT_pojedino(sh_id,String.valueOf(i));
137        podaci_RUT.moveToPosition(0);
138        String ko = podaci_RUT.getString(3);
139        String racun[] = ko.split("\\|");
140        lat = Double.valueOf(racun[0]);
141        lon = Double.valueOf(racun[1]);
142        koordList.add(new LatLng(lat, lon));
143        builder.include(new LatLng(lat, lon));
144        if(i==max_id_rut_lok2){ moja_lokacija_zadnja = new LatLng(lat, lon); }
145        if(i==1){ moja_lokacija_prva = new LatLng(lat, lon); }
146    }
147    mMap.addMarker(new
    MarkerOptions().position(moja_lokacija_zadnja).title("ZADNJA LOKACIJA").icon
148
    (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_RED)));
149    mMap.addMarker(new MarkerOptions().position(moja_lokacija_prva).title("PRVA
    LOKACIJA").icon
150
    (BitmapDescriptorFactory.defaultMarker(BitmapDescriptorFactory.HUE_AZURE)));
151    PolylineOptions polylineOptions = new
    PolylineOptions().width(5).color(Color.RED);
152    polylineOptions.addAll(koordList);
153    mMap.addPolyline(polylineOptions);
154    LatLngBounds podrZoma = builder.build();
155    mMap.moveCamera(CameraUpdateFactory.newLatLngBounds(podrZoma, 50));
156  }
157  public void obrisiPritisnuto() {
158    AlertDialog.Builder builder=new AlertDialog.Builder(this);
159    builder.setTitle("Upozorenje").setMessage("Da li želite izbrisati?");
160    builder.setCancelable(false);
161    builder.setNegativeButton("NE", new DialogInterface.OnClickListener() {
162        @Override
163        public void onClick(DialogInterface dialog, int which) {
164            klikNe();
165        }
166    });
167    builder.setPositiveButton("DA", new DialogInterface.OnClickListener() {
168        @Override
169        public void onClick(DialogInterface dialog, int which) {
170            klikDa();
```

```
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       pokazi1();
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.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.ArrayAdapter;
7  import android.widget.TextView;
8  import java.util.ArrayList;
9  public class MojAdapterLok1 extends ArrayAdapter<String> {
10     private ArrayList<String> podaci2;
```

```java
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

```java
1   package com.unin.kl.zavrsni_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 = "koordinate";
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      }
```

```java
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,
    String vrijeme_sprem,
53                                       String acc_s, String bear_s, String prov_s,
    String speed_s,
54                                       String fix_time_s, String fix_time_s_f, String
    fix_pass_time_s){
55          SQLiteDatabase bp = this.getWritableDatabase();
56          ContentValues cv = new ContentValues();
57          cv.put(STUPAC_VRIJEME_SPREM_LOK, vrijeme_sprem);
58          cv.put(STUPAC_LAT_LOK, lat_s);
59          cv.put(STUPAC_LON_LOK, lon_s);
60          cv.put(STUPAC_VIS_LOK, vis_s);
61          cv.put(STUPAC_PREC_LOK, acc_s);
62          cv.put(STUPAC_SMJER_LOK, bear_s);
63          cv.put(STUPAC_IZVOR_LOK, prov_s);
64          cv.put(STUPAC_BRZINA_LOK, speed_s);
65          cv.put(STUPAC_VRIJEME_LOK, fix_time_s);
66          cv.put(STUPAC_VRIJEME_F_LOK, fix_time_s_f);
67          cv.put(STUPAC_STAROST_LOK, fix_pass_time_s);
68          long ishod = bp.insert(TABLICA_IME_LOK, null, cv);
69          if(ishod == -1){
70              return false;
71          }else{
72              return true;
73          }
74      }
75      public boolean spremiPodatke_RUT(String lat_lon, String vrijeme, Integer
    id_lok_rut, Integer id_rut){
76          SQLiteDatabase bp = this.getWritableDatabase();
77          ContentValues cv = new ContentValues();
78          cv.put(STUPAC_TEKST_RUT, lat_lon);
79          cv.put(STUPAC_DATUM_RUT, vrijeme);
80          cv.put(STUPAC_ID_RUTE_RUT, id_rut);
81          cv.put(STUPAC_ID_LOKACIJE_RUT, id_lok_rut);
82          long ishod = bp.insert(TABLICA_IME_RUT, null, cv);
83          if(ishod == -1){
84              return false;
85          }else{
86              return true;
87          }
88      }
89      public Cursor dohvatiPodatke_LOK(){
90          SQLiteDatabase bp = this.getWritableDatabase();
91          Cursor podaci_LOK =  bp.rawQuery("select * from "+TABLICA_IME_LOK,null);
92          return podaci_LOK;
93      }
94      public Cursor dohvatiPodatke_LOK_pojedino(String id){
95          SQLiteDatabase bp = this.getWritableDatabase();
96          Cursor podaci_LOK =  bp.rawQuery("select * from "+TABLICA_IME_LOK+ " where
    id=?",new String[] {id});
97          return podaci_LOK;
98      }
99      public Cursor dohvatiPodatke_RUT_list(){
100         SQLiteDatabase bp = this.getWritableDatabase();
101         Cursor podaci_RUT =  bp.rawQuery("select DISTINCT("+STUPAC_DATUM_RUT+"), "
102                 +STUPAC_ID_RUTE_RUT+" from "+TABLICA_IME_RUT,null);
103         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          wv.setWebViewClient(new WebViewClient());
20          wv.setWebChromeClient(new WebChromeClient());
21          String html;
22          html="\n" +
23                  "<html>\n" +
24                  "<body bgcolor=\"#f4efea\">\n" +
25                  "<p style=\"text-align: center; font-size:
    20px;\"><strong>Sveučili&scaron;te " +
26                  "sjever</strong></p>\n<p style=\"font-family: Georgia,
    serif;\"><strong>Odjel:" +
27                  "</strong> Elektrotehnika</p>\n<p style=\"font-family: Georgia,
    serif;\">" +
28                  "<strong>Broj zavr&scaron;nog rada:</strong> 446/EL/2019</p>\n<p
    style=\"" +
29                  "font-family: Georgia, serif;\"><strong>Naslov zavr&scaron;nog
    rada:</strong>" +
30                  "</p>\n<p style=\"font-family: Georgia, serif;\"><em>Izvedba
    Android mobilne " +
31                  "aplikacije s primjenom lokacijskih servisa</em></p>\n" +
32                  "<p style=\"font-family: Georgia,
    serif;\"><strong>Student: </strong>" +
33                  "Kristijan Lukaček, 5043/601</p>\n<p style=\"font-family: Georgia,
    serif;\">" +
34                  "<strong>Mentor: </strong>mr.sc. Matija Mikac</p>\n<p
    style=\"font-family: " +
35                  "Georgia, serif;\"><strong>Datum izrade</strong>: 15. rujan
    2019.</p>\n" +
36                  "<p style=\"font-family: Georgia, serif;\"><strong>Zadatak
    zavr&scaron;nog rada:" +
37                  "</strong></p>\n<p style=\"font-family: Georgia, serif;\">Cilj
    zavr&scaron;nog " +
38                  "rada je izvesti potpuno funkcionalnu mobilnu aplikaciju za Android
    operacijski" +
39                  " sustav bazirani na pro&scaron;irenoj primjeni lokacijskih servisa
    (pohrana GPS" +
40                  " lokacija, vizualizacija). Potrebno je teoretski obraditi elemente
    Android" +
41                  " operacijskog sustava i razvojnog okruženja vezane uz samu izvedbu
    aplikacije." +
42                  " Također je nužno implementirati osnovne elemente web aplikacije
    koja će " +
43                  "preuzimati podatke sa uređaja i omogućiti određenu razinu
    vizualizacije i u " +
44                  "obliku web aplikacije - pri tome voditi računa o identifikaciji
    korisnika. " +
45                  "Kao dodatne (pro&scaron;irena primjena) mogućnosti implementirati
    " +
46                  "funkcionalnost slanja proizvoljnih podataka i fotografija sa geo-
    pozicijom i" +
47                  " dohvat povratnog statusa sa poslužitelja (na primjer, prijave
    komunalnih" +
48                  " problema redarima i slično)<br /> <br />U radu je potrebno: <br
    />&bull; " +
49                  "obraditi i opisati ključne kori&scaron;tene elemente Android
    operacijskog " +
50                  "sustava - lokacijske servise, mogućnosti pohrane podataka na
    uređaju, mogućnosti "+
51                  "mrežne komunikacije i slanja podataka na poslužitelj, pristup
    vizualizaciji" +
52                  " lokacijskih podataka u obliku mapa, kontrola kamere itd.<br
    />&bull; " +
53                  "implementirati i dokumentirati aplikaciju koja će omogućiti GPS
    praćenje<br />" +
54                  "&bull; dodatno implementirati mogućnost slanja podataka i
    fotografija sa uređaja "+
55                  "na server<br />&bull; implementirati osnovne elemente web
    aplikacije nužne za" +
56                  " funkcioniranje aplikacije ovog tipa</p></body>\n</html>\n";
57          wv.loadData(html, "text/html", "UTF-8");
58      }
```

```
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>
```

rergistracija_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
    xmlns:android="http://schemas.android.com/apk/res/android"
3       xmlns:app="http://schemas.android.com/apk/res-auto"
4       xmlns:tools="http://schemas.android.com/tools"
5       android:layout_width="match_parent"
6       android:layout_height="match_parent"
7       tools:context=".Prijava_Activity"
8       android:background="@drawable/back_3">
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      <include layout="@layout/prijava_layout" />
14  </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_l"
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_l"
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_l"
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/linl1"
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/linl1"
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"
```

66

```
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
   xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      tools:context=".Lokacije_Glavna_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     <include layout="@layout/content_lokacije_glavna" />
14 </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_locijraj"
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
   xmlns:android="http://schemas.android.com/apk/res/android"
3        xmlns:app="http://schemas.android.com/apk/res-auto"
4        xmlns:tools="http://schemas.android.com/tools"
5        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'),
     'proguard-rules.pro'
16           }
17       }
18       compileOptions {
19           sourceCompatibility = '1.8'
20           targetCompatibility = '1.8'
21       }
22       buildToolsVersion = '28.0.3'
23   }
24   dependencies {
25       implementation fileTree(dir: 'libs', include: ['*.jar'])
26       implementation 'androidx.recyclerview:recyclerview:1.0.0'
27       implementation 'androidx.appcompat:appcompat:1.0.2'
28       implementation 'com.google.android.gms:play-services-maps:17.0.0'
29       implementation 'com.google.android.material:material:1.0.0'
30       implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
31       implementation "com.android.support:support-compat:28.0.0"
32       implementation 'com.android.volley:volley:1.1.1'
33       implementation 'com.squareup.picasso:picasso:2.71828'
34       testImplementation 'junit:junit:4.12'
35       androidTestImplementation 'androidx.test:runner:1.2.0'
36       androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0'
37   }
```