

ИНТЕРНЕТ ПРОГРАМИРАЊЕ  
ВЈЕЖБЕ-08-АЈАКС  
ПРЕГЛЕД И МАТЕРИЈАЛИ

Lab 8

SVI STUDENTI   NOVI STUDENT   DETALJI STUDENTA

Svi studenti

Lab 8

SVI STUDENTI   **NOVI STUDENT**   DETALJI STUDENTA

Dodavanje studenta

Ime  
marko

Prezime  
Markovic


DODAJ






## Detalji studenta


Izaberi studenta 













Ime

Prezime

▼  src/main/java

- >  bean
- >  net.etfbl.api
- >  net.etfbl.info.beans
- >  net.etfbl.info.servlet
- >  net.etfbl.model




































▼  src

- ▼  main
  - >  java
  - ▼  webapp
    - >  css
    - >  js
    - >  META-INF
    - ▼  WEB-INF
      - >  lib
      -  web.xml
      -  index.html
      -  index.jsp
      -  info.jsp

# Линкови

[css\info.css](#)  
[css\style.css](#)  
[index.html](#)  
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[js\info.js](#)  
[js\script.js](#)  
[META-INF\MANIFEST.MF](#)  
[WEB-INF\lib\aoalliance-repackaged-2.5.0-b42.jar](#)  
[WEB-INF\lib\cdi-api-1.1.jar](#)  
[WEB-INF\lib\el-api-2.2.jar](#)  
[WEB-INF\lib\hk2-api-2.5.0-b42.jar](#)  
[WEB-INF\lib\hk2-locator-2.5.0-b42.jar](#)  
[WEB-INF\lib\hk2-utils-2.5.0-b42.jar](#)  
[WEB-INF\lib\javassist-3.22.0-CR2.jar](#)  
[WEB-INF\lib\javax.activation-api-1.2.0.jar](#)  
[WEB-INF\lib\javax.annotation-api-1.2.jar](#)  
[WEB-INF\lib\javax.inject-1.jar](#)  
[WEB-INF\lib\javax.inject-2.5.0-b42.jar](#)  
[WEB-INF\lib\javax.json-1.1.jar](#)  
[WEB-INF\lib\javax.json-api-1.1.jar](#)  
[WEB-INF\lib\javax.json.bind-api-1.0.jar](#)  
[WEB-INF\lib\javax.servlet-api-3.0.1.jar](#)  
[WEB-INF\lib\javax.ws.rs-api-2.1.jar](#)  
[WEB-INF\lib\jaxb-api-2.2.7.jar](#)  
[WEB-INF\lib\jboss-interceptors-api 1.1 spec-1.0.0.Beta1.jar](#)  
[WEB-INF\lib\jersey-client.jar](#)  
[WEB-INF\lib\jersey-common.jar](#)  
[WEB-INF\lib\jersey-container-servlet-core.jar](#)  
[WEB-INF\lib\jersey-container-servlet.jar](#)  
[WEB-INF\lib\jersey-hk2.jar](#)  
[WEB-INF\lib\jersey-media-jaxb.jar](#)  
[WEB-INF\lib\jersey-media-json-binding.jar](#)  
[WEB-INF\lib\jersey-media-sse.jar](#)  
[WEB-INF\lib\jersey-server.jar](#)  
[WEB-INF\lib\json-20180130.jar](#)  
[WEB-INF\lib\jsr250-api-1.0.jar](#)  
[WEB-INF\lib\org.osgi.core-4.2.0.jar](#)  
[WEB-INF\lib\osgi-resource-locator-1.0.1.jar](#)  
[WEB-INF\lib\persistence-api-1.0.jar](#)  
[WEB-INF\lib\validation-api-1.1.0.Final.jar](#)  
[WEB-INF\lib\yasoson-1.0.jar](#)  
[WEB-INF\web.xml](#)

▼ lib

-  aopalliance-repackaged-2.5.0-b42.jar
-  cdi-api-1.1.jar
-  el-api-2.2.jar
-  hk2-api-2.5.0-b42.jar
-  hk2-locator-2.5.0-b42.jar
-  hk2-utils-2.5.0-b42.jar
-  javassist-3.22.0-CR2.jar
-  javax.activation-api-1.2.0.jar
-  javax.annotation-api-1.2.jar
-  javax.inject-1.jar
-  javax.inject-2.5.0-b42.jar
-  javax.json.bind-api-1.0.jar
-  javax.json-1.1.jar
-  javax.json-api-1.1.jar
-  javax.servlet-api-3.0.1.jar
-  javax.ws.rs-api-2.1.jar
-  jaxb-api-2.2.7.jar
-  jboss-interceptors-api\_1.1\_spec-1.0.0.Beta1
-  jersey-client.jar
-  jersey-common.jar
-  jersey-container-servlet.jar
-  jersey-container-servlet-core.jar
-  jersey-hk2.jar
-  jersey-media-jaxb.jar
-  jersey-media-json-binding.jar
-  jersey-media-sse.jar
-  jersey-server.jar
-  json-20180130.jar
-  jsr250-api-1.0.jar
-  org.osgi.core-4.2.0.jar
-  osgi-resource-locator-1.0.1.jar
-  persistence-api-1.0.jar
-  validation-api-1.1.0.Final.jar
-  yasson-1.0.jar
-  web.xml

## WEB.XML

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
3         xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4         xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
5         http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd"
6         version="3.1">
7     <display-name>Lab08</display-name>
8     <welcome-file-list>
9         <welcome-file>index.html</welcome-file>
10        <welcome-file>index.htm</welcome-file>
11        <welcome-file>index.jsp</welcome-file>
12        <welcome-file>default.html</welcome-file>
13        <welcome-file>default.htm</welcome-file>
14        <welcome-file>default.jsp</welcome-file>
15    </welcome-file-list>
16    <servlet>
17        <servlet-name>Jersey RESTful Application</servlet-name>
18        <servlet-class>org.glassfish.jersey.servlet.ServletContainer</servlet-class>
19        <init-param>
20            <param-name>jersey.config.server.provider.packages</param-name>
21            <param-value>net.etfbl.api</param-value>
22        </init-param>
23    </servlet>
24    <servlet-mapping>
25        <servlet-name>Jersey RESTful Application</servlet-name>
26        <url-pattern>/api/*</url-pattern>
27    </servlet-mapping>
28 </web-app>
```

## INDEX.HTML

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <title>Lab8</title>
6 <link rel="stylesheet"
7     href="https://fonts.googleapis.com/icon?family=Material+Icons">
8 <link rel="stylesheet"
9     href="https://code.getmdl.io/1.3.0/material.indigo-pink.min.css">
10 <script defer src="https://code.getmdl.io/1.3.0/material.min.js"></script>
11 <script src="js/script.js"></script>
12 <link rel="stylesheet" href="css/style.css">
13 </head>
14 <body onload="init()">
15 <header class="mdl-layout__header">
16 <div class="mdl-layout__header-row">
17 <span class="mdl-layout-title">Lab 8</span>
18 </div>
19 </header>
20 <div class="mdl-tabs mdl-js-tabs mdl-js-ripple-effect">
21 <div class="mdl-tabs__tab-bar">
22 <a href="#all-students-panel" class="mdl-tabs__tab is-active">Svi studenti</a> <a
23 href="#new-student-panel" class="mdl-tabs__tab">Novi student</a> <a
24 href="#details-panel" class="mdl-tabs__tab">Detalji studenta</a>
25 </div>
26
27 <div class="mdl-tabs__panel is-active" id="all-students-panel">
28 <div class="card-container mdl-card mdl-shadow--2dp">
29 <div class="mdl-card__title mdl-card--expand">
30 <h2 class="mdl-card__title-text">Svi studenti</h2>
31 </div>
32 <div class="mdl-card__supporting-text">
33 <ul class="mdl-list students-list" id="all-students-list">
34 </ul>
35 </div>
36 </div>
37 </div>

```

```

<div class="mdl-tabs__panel" id="new-student-panel">
<div class="card-container mdl-card mdl-shadow--2dp">
<div class="mdl-card__title mdl-card--expand">
<h2 class="mdl-card__title-text">Dodavanje studenta</h2>
</div>
<div class="mdl-card__supporting-text">
<form id="new-student-form">
<div class="mdl-textfield mdl-js-textfield mdl-textfield--floating-label">
<input class="mdl-textfield__input" type="text" id="firstName" required="required" autocomplete="off">
<label class="mdl-textfield__label" for="firstName">Ime</label>
</div>
<div class="mdl-textfield mdl-js-textfield mdl-textfield--floating-label">
<input class="mdl-textfield__input" type="text" id="lastName" required="required" autocomplete="off">
<label class="mdl-textfield__label" for="lastName">Prezime</label>
</div>
</form>
</div>
<div class="mdl-card__actions mdl-card--border">
<a onclick="addStudent()"
class="mdl-button mdl-button--colored mdl-js-button mdl-js-ripple-effect">
Dodaj </a>
</div>
</div>
</div>

```

```

62<div class="mdl-tabs__panel" id="details-panel">
63<div class="card-container mdl-card mdl-shadow--2dp">
64<div class="mdl-card__title mdl-card--expand">
65<h2 class="mdl-card__title-text">Detalji studenta</h2>
66</div>
67<div class="mdl-card__supporting-text">
68<div id="student-selection-container" class="mdl-textfield mdl-js-textfield mdl-textfield--floating-label">
69<select class="mdl-textfield__input" id="student-selection" onchange="loadStudentInfo(value)">
70
71</select>
72<label class="mdl-textfield__label" for="student-selection">Izaberi studenta</label>
73</div>
74<div class="mdl-textfield mdl-js-textfield mdl-textfield--floating-label">
75<input class="mdl-textfield__input" type="text" id="firstNameDetails" disabled="disabled">
76<label class="mdl-textfield__label" for="firstNameDetails">Ime</label>
77</div>
78<div class="mdl-textfield mdl-js-textfield mdl-textfield--floating-label">
79<input class="mdl-textfield__input" type="text" id="lastNameDetails" disabled="disabled">
80<label class="mdl-textfield__label" for="lastNameDetails">Prezime</label>
81</div>
82
83<ul class="mdl-list students-list" id="grade-list">
84
85</ul>
86</div>
87</div>
88</div>
89</div>
90</body>
91</html>

```

## INFO.JSP

```
1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2   pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6 <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
7 <title>Quiz</title>
8 <script type="text/javascript" src="https://code.jquery.com/jquery-3.3.1.min.js"></script>
9 <script type="text/javascript" src="js/info.js"></script>
10 <link rel="stylesheet" href="css/info.css" type="text/css" />
11 </head>
12 <body onload="pripremiFormu()">
13   <table>
14     <tr id="prezimetr">
15       <td colspan="2">
16         <div id="prezimeime">
17           <form id="prvaForma">
18             <table>
19               <tr>
20                 <td>Prezime korisnika:</td>
21                 <td><input type="text" name="prezime" id="prezime">
22                 </td>
23               </tr>
24               <tr>
25                 <td>Ime korisnika:</td>
26                 <td><input type="text" name="ime" id="ime"></td>
27               </tr>
28               <tr>
29                 <td><div id="porukaPrezime"></div></td>
30                 <td>&nbsp;</td>
31               </tr>
32             </table>
33           </form>
34           <button id="unesiprezimeime">Dalje</button>
35         </div>
36       </td>
37     </tr>
```



```

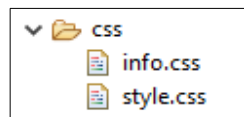
<tr id="adresatr">
  <td colspan="2">
    <div id="adresa">
      <form id="drugaForma">
        <table>
          <tr>
            <td>Ulica:</td>
            <td><input type="text" name="ulica" id="ulica"></td>
          </tr>
          <tr>
            <td>Broj:</td>
            <td><input type="text" name="broj" id="broj"></td>
          </tr>
          <tr>
            <td>Grad:</td>
            <td><input type="text" name="grad" id="grad"></td>
          </tr>
          <tr>
            <td><div id="porukaAdresa"></div></td>
            <td>&nbsp;</td>
          </tr>
        </table>
      </form>
      <button id="unesiadresu">Dalje</button>
    </div>
  </td>
</tr>

```

```

65<tr id="prikaztr">
66  <td colspan="2">
67    <div id="prikaz">
68      <table>
69        <tr>
70          <td>Prezime:</td>
71          <td id="prezimetd"></td>
72        </tr>
73        <tr>
74          <td>Ime:</td>
75          <td id="imetd"></td>
76        </tr>
77        <tr>
78          <td>Ulica:</td>
79          <td id="ulicatd"></td>
80        </tr>
81        <tr>
82          <td>Broj:</td>
83          <td id="brojtd"></td>
84        </tr>
85        <tr>
86          <td>Grad:</td>
87          <td id="gradtd"></td>
88        </tr>
89      </table>
90    </div>
91  </td>
92</tr>
93</table>
94<br />
95</body>
96</html>

```

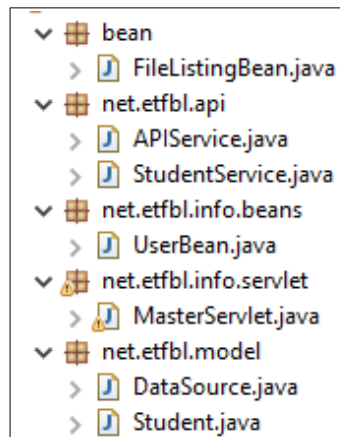


## INFO.CSS

```
1 body {
2     font-family: Arial, Helvetica, sans;
3     font-size: 8pt;
4 }
5
6 td:first-of-type {
7     width: 20%;
8 }
9
10 td:last-of-type {
11     width: 80%;
12 }
```

## STYLE.CSS

```
1 .card-container {
2     margin: 0 auto;
3     margin-top: 10%;
4 }
5
6 .students-list {
7     max-height: 300px;
8     overflow-y: auto;
9 }
```



## STUDENT.JAVA

```
1 package net.etfbl.model;
2
3 import java.util.HashMap;
4
5 public class Student {
6
7     private Integer id;
8     private String firstName;
9     private String lastName;
10    private HashMap<String, Integer> grades;
11
12    public Student() {
13    }
14
15    public Student(int id) {
16        this.id = id;
17    }
18
19    public Student(int id, String firstName, String lastName, HashMap<String, Integer> grades) {
20        super();
21        this.id = id;
22        this.firstName = firstName;
23        this.lastName = lastName;
24        this.grades = grades;
25    }
26
27    public Integer getId() {
28        return id;
29    }
30
31    public void setId(Integer id) {
32        this.id = id;
33    }
34
35    public String getFirstName() {
36        return firstName;
37    }
38
39    public void setFirstName(String firstName) {
40        this.firstName = firstName;
41    }
42
43 }
```

```
1 package net.etfbl.model;
2
3 import java.util.HashMap;
4
5 public class Student {
6
7     private Integer id;
8     private String firstName;
9     private String lastName;
10    private HashMap<String, Integer> grades;
11
12    public Student() {
13    }
14
15    public Student(int id) {
16        this.id = id;
17    }
18
19    public Student(int id, String firstName, String lastName, HashMap<String, Integer> grades) {
20        super();
21        this.id = id;
22        this.firstName = firstName;
23        this.lastName = lastName;
24        this.grades = grades;
25    }
26
27    public Integer getId() {
28        return id;
29    }
30
31    public void setId(Integer id) {
32        this.id = id;
33    }
34
35    public String getFirstName() {
36        return firstName;
37    }
38
39    public void setFirstName(String firstName) {
40        this.firstName = firstName;
41    }
42
43 }
```

## DATA\_SOURCE.JAVA

```
1 package net.etfbl.model;
2
3 import java.util.ArrayList;
4
5
6 public class DataSource {
7
8     public ArrayList<Student> students = new ArrayList<>();
9     private static DataSource instance = null;
10
11     public static DataSource getInstance() {
12         if (instance == null) {
13             instance = new DataSource();
14         }
15         return instance;
16     }
17
18     private DataSource() {
19         System.out.println("Init demo data");
20
21         HashMap<String, Integer> grades1 = new HashMap<>();
22         grades1.put("Programski jezici 2", 8);
23         grades1.put("MDP", 10);
24         grades1.put("Internet programiranje", 9);
25
26         HashMap<String, Integer> grades2 = new HashMap<>();
27         grades2.put("Programski jezici 2", 6);
28         grades2.put("MDP", 7);
29         grades2.put("Internet programiranje", 8);
30
31         Student s1 = new Student(1, "Marko", "Markovic", grades1);
32         Student s2 = new Student(2, "Janko", "Jankovic", grades2);
33
34         students.add(s1);
35         students.add(s2);
36     }
37 }
38
```

## USER\_BEAN.JAVA

```
1 package net.etfbl.info.beans;
2
3 public class UserBean {
4
5     private String prezime = "";
6     private String ime = "";
7     private String ulica = "";
8     private String broj = "";
9     private String grad = "";
10
11     public String getPrezime() {
12         return prezime;
13     }
14
15     public void setPrezime(String prezime) {
16         this.prezime = prezime;
17     }
18
19     public String getIme() {
20         return ime;
21     }
22
23     public void setIme(String ime) {
24         this.ime = ime;
25     }
26
27     public String getUlica() {
28         return ulica;
29     }
30
31     public void setUlica(String ulica) {
32         this.ulica = ulica;
33     }
34
35     public String getBroj() {
36         return broj;
37     }
38
39     public void setBroj(String broj) {
40         this.broj = broj;
41     }
42 }
```

```
public String getTime() {  
    return ime;  
}  
  
public void setTime(String ime) {  
    this.ime = ime;  
}  
  
public String getUlica() {  
    return ulica;  
}  
  
public void setUlica(String ulica) {  
    this.ulica = ulica;  
}  
  
public String getBroj() {  
    return broj;  
}  
  
public void setBroj(String broj) {  
    this.broj = broj;  
}  
  
public String getGrad() {  
    return grad;  
}  
  
public void setGrad(String grad) {  
    this.grad = grad;  
}  
}
```

## MASTER SERVLET.JAVA

```
1 package net.etfbl.info.servlet;
2
3 import java.io.IOException;
4
5
6
7
8
9
10
11
12
13
14
15
16
17 @WebServlet("/info")
18 public class MasterServlet extends HttpServlet {
19
20     @Override
21     protected void doGet(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {
22         RequestDispatcher disp = req.getRequestDispatcher("./index.jsp");
23         disp.forward(req, resp);
24     }
25 }
```

```
@Override
protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {
    Enumeration<String> en = req.getParameterNames();
    if (!en.hasMoreElements()) {
        PrintWriter pw = resp.getWriter();
        pw.println("NOK");
        pw.close();
    } else {
        while (en.hasMoreElements()) {
            String parameter = en.nextElement();
            if ("prezime".equals(parameter) || "ime".equals(parameter)) {
                // prva forma
                String prezime = req.getParameter("prezime");
                String ime = req.getParameter("ime");
                UserBean kb = new UserBean();
                kb.setPrezime(prezime);
                kb.setIme(ime);
                PrintWriter pw = resp.getWriter();
                if (prezime == null || ime == null || prezime.equals("") || ime.equals(""))
                    pw.println("NOK");
                else
                    pw.println("OK");
                req.getSession().setAttribute("korisnik", kb);
                pw.close();
            } else {
                HttpSession sess = (HttpSession) (req.getSession());
                UserBean kb = (UserBean) sess.getAttribute("korisnik");
                String ulica = req.getParameter("ulica");
                String broj = req.getParameter("broj");
                String grad = req.getParameter("grad");
                kb.setUlica(ulica);
                kb.setBroj(broj);
                kb.setGrad(grad);
                PrintWriter pw = resp.getWriter();
                sess.setAttribute("korisnik", kb);
                if (ulica == null || broj == null || grad == null || ulica.equals("") || grad.equals("")
                    || broj.equals(""))
                    pw.println("NOK");
                else
                    pw.println("{ \"i\": \"" + kb.getIme() + "\", \"p\": \"" + kb.getPrezime() + "\", \"u\": \""
                        + kb.getUlica() + "\", \"g\": \"" + kb.getGrad() + "\", \"b\": \"" + kb.getBroj()
                        + "\" }");
                pw.close();
            }
        }
    }
}
```



## STUDENT\_SERVICE.JAVA

```
1 package net.etfbl.api;
2
3 import java.util.ArrayList;
4
5
6
7
8
9 public class StudentService {
10
11     DataSource data = DataSource.getInstance();
12
13     public ArrayList<Student> getStudents() {
14         return data.students;
15     }
16
17     public Student getById(int id) {
18         for (Student s : data.students) {
19             if (s.getId() == id) {
20                 return s;
21             }
22         }
23         return new Student();
24     }
25
26     public boolean add(Student student) {
27         student.setId(new Random().nextInt(100));
28         return data.students.add(student);
29     }
30
31     public boolean update(Student student, int id) {
32         int index = data.students.indexOf(new Student(id));
33         if (index >= 0) {
34             data.students.set(index, student);
35             return true;
36         } else {
37             return false;
38         }
39     }
40
41     public boolean remove(int id) {
42         int index = data.students.indexOf(new Student(id));
43         if (index >= 0) {
44             data.students.remove(index);
45             return true;
46         } else {
47             return false;
48         }
49     }
50 }
51
```

## API\_SERVICE.JAVA

```

1 package net.etfbl.api;
2
3+ import java.util.ArrayList;
17
18 @Path("/studenti")
19 public class APIService {
20
21     StudentService service;
22
23- public APIService() {
24     service = new StudentService();
25 }
26
27- @GET
28 @Produces(MediaType.APPLICATION_JSON)
29 public ArrayList<Student> getAll() {
30     return service.getStudents();
31 }
32
33- @GET
34 @Path("/{id}")
35 @Produces(MediaType.APPLICATION_JSON)
36 public Response getById(@PathParam("id") int id) {
37     Student student = service.getById(id);
38     if (student != null) {
39         return Response.status(200).entity(student).build();
40     } else {
41         return Response.status(404).build();
42     }
43 }
44
45- @POST
46 @Consumes(MediaType.APPLICATION_JSON)
47 @Produces(MediaType.APPLICATION_JSON)
48 public Response add(Student student) {
49     if (service.add(student)) {
50         return Response.status(200).entity(student).build();
51     } else {
52         return Response.status(500).entity("Greska pri dodavanju").build();
53     }
54 }
55
56- @PUT
57 @Path("/{id}")
58 @Consumes(MediaType.APPLICATION_JSON)
59 @Produces(MediaType.APPLICATION_JSON)
60 public Response edit(Student student, @PathParam("id") int id) {
61     if (service.update(student, id)) {
62         return Response.status(200).entity(student).build();
63     }
64     return Response.status(404).build();
65 }
66

```

```

45 @POST
46 @Consumes(MediaType.APPLICATION_JSON)
47 @Produces(MediaType.APPLICATION_JSON)
48 public Response add(Student student) {
49     if (service.add(student)) {
50         return Response.status(200).entity(student).build();
51     } else {
52         return Response.status(500).entity("Greska pri dodavanju").build();
53     }
54 }
55
56 @PUT
57 @Path("/{id}")
58 @Consumes(MediaType.APPLICATION_JSON)
59 @Produces(MediaType.APPLICATION_JSON)
60 public Response edit(Student student, @PathParam("id") int id) {
61     if (service.update(student, id)) {
62         return Response.status(200).entity(student).build();
63     }
64     return Response.status(404).build();
65 }
66
67 @DELETE
68 @Path("/{id}")
69 public Response remove(@PathParam("id") int id) {
70     if (service.remove(id)) {
71         return Response.status(200).build();
72     }
73     return Response.status(404).build();
74 }
75 }
76

```

js  
 info.js  
 script.js

```

1 function pripremiFormu() {
2     $("#adresatr").hide("fast");
3     $("#prikaztr").hide("fast");
4     $("#prezimetr").show();
5 }
6
7 $(function() {
8     $("#unesiprezimeime").click(unesiPrezimeIme);
9 });
10
11 $(function() {
12     $("#unesiadresu").click(unesiAdresu);
13 });
14
15
16 function unesiPrezimeIme() {
17     $.ajax({
18         type: "POST",
19         url: "./info",
20         data: $("#prvaForma").serialize(),
21         success: function(text) { prikaziAdresu(text); },
22         dataType: "html",
23         cache: false
24     });
25 }
26
27 function unesiAdresu() {
28     $.ajax({
29         type: "POST",
30         url: "./info",
31         data: $("#drugaForma").serialize(),
32         success: function(text) { prikaziPodatke(text); },
33         dataType: "html",
34         cache: false
35     });
36 }
37
38 function prikaziAdresu(text) {
39     if(text.indexOf("NOK")===0) {
40         $("#porukaPrezime").html("Podaci nisu ispravno uneseni. Pokušajte ponovo.");
41         $("#porukaPrezime").css("color","red");
42     }
43     else {
44         $("#prezimetr").slideUp(1000,function() {
45             $("#porukaPrezime").hide();
46             $("#adresatr").slideDown();
47         });
48     }
49 }
50 }
51 }
52

```

```
53 function prikaziPodatke(text) {  
54     if(text.indexOf("NOK")==0) {  
55         $("#porukaAdresa").html("Podaci nisu ispravno uneseni. Pokušajte ponovo.");  
56         $("#porukaAdresa").css("color","red");  
57     }  
58     else {  
59         $("#adresatr").slideUp(1000,function() {  
60             $("#porukaAdresa").hide();  
61             var tekst=$.parseJSON(text);  
62             $("#imetd").html(tekst.i);  
63             $("#prezimetd").html(tekst.p);  
64             $("#ulicatd").html(tekst.u);  
65             $("#gradtd").html(tekst.g);  
66             $("#brojtd").html(tekst.b);  
67             $("#prikaztr").slideDown();  
68         });  
69     }  
70 }
```

## SKRIPT.JS

```

1  var students = [];
2
3  function loadSelect() {
4      var elem = document.getElementById("student-selection");
5      students.forEach(student=>{
6          var option = document.createElement("option");
7          option.text = student.firstName + " " + student.lastName;
8          option.value = student.id;
9          elem.add(option);
10     });
11     document.getElementById("student-selection-container").parentElement.classList.add('is-focused');
12     document.getElementById("student-selection-container").parentElement.classList.add('is-upgraded');
13 }
14
15 function loadStudentInfo(id) {
16     var request = new XMLHttpRequest();
17     request.onreadystatechange = function() {
18         if ((request.readyState == 4) && (request.status == 200)) {
19             var result = JSON.parse(request.responseText);
20
21             document.getElementById("firstNameDetails").value = result.firstName;
22             document.getElementById("lastNameDetails").value = result.lastName;
23             document.getElementById("grade-list").innerHTML = "";
24
25
26             document.getElementById("firstNameDetails").parentElement.classList.add('is-focused');
27             document.getElementById("firstNameDetails").parentElement.classList.add('is-upgraded');
28             document.getElementById("lastNameDetails").parentElement.classList.add('is-focused');
29             document.getElementById("lastNameDetails").parentElement.classList.add('is-upgraded');
30
31             for(var i in result.grades) {
32                 document.getElementById("grade-list").innerHTML += [
33                     "<li class=\"mdl-list__item mdl-list__item--three-line\">",
34                     '<span class="mdl-list__item-primary-content">',
35                     '<i class="material-icons mdl-list__item-avatar">cast_for_education</i>',
36                     '<span>', i, "-", result.grades[i], '</span>',
37                     "</span>",
38                     "</li>"].join(' ');
39             }
40
41         }
42     };
43     request.open("GET", "api/studenti/"+id, true);
44     request.send(null);
45 }
46

```

```

47 function loadAllStudents() {
48     var request = new XMLHttpRequest();
49     request.onreadystatechange = function() {
50         if ((request.readyState == 4) && (request.status == 200)) {
51             var result = JSON.parse(request.responseText);
52             document.getElementById("all-students-list").innerHTML = "";
53             students = result;
54             loadSelect();
55             for(var i in result) {
56                 var gradesum = 0;
57                 if(result[i].grades){
58                     gradesum = Object.values(result[i].grades)
59                         .reduce((val, acc)=>acc+val,0) / Object.values(result[i].grades).length;
60                 }
61
62                 document.getElementById("all-students-list").innerHTML += [
63                     "<li class=\"mdl-list__item mdl-list__item--three-line\"",
64                     '<span class="mdl-list__item-primary-content">',
65                     '<i class="material-icons mdl-list__item-avatar">person</i>',
66                     '<span>',result[i].firstName, result[i].lastName,</span>',
67                     '<span class="mdl-list__item-text-body">',
68                     "Prosjek ocjena: ", gradesum,
69                     '</span>',
70                     "</span>",
71                     "</li>"].join(' ')
72             }
73         }
74     };
75     request.open("GET", "api/studenti", true);
76     request.send(null);
77 }
78
79 function addStudent() {
80     var object = {
81         lastName: document.forms["new-student-form"].elements.lastName.value,
82         firstName: document.forms["new-student-form"].elements.firstName.value
83     }
84     var request = new XMLHttpRequest();
85     request.onreadystatechange = function() {
86         if ((request.readyState == 4) && (request.status == 200)) {
87             loadAllStudents();
88             document.forms["new-student-form"].reset();
89         }
90     };
91     request.open("POST", "api/studenti", true);
92     request.setRequestHeader("Content-Type", "application/json;charset=UTF-8");
93     request.send(JSON.stringify(object));
94 }
95
96
97 function init() {
98     loadAllStudents();
99 }

```