JAVA SERVER FACES
VIDEO EXERCISES – 09 – 02

JSF Template - Layout - APPLICATION 50

template.xhtml

```
1  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
2  <html xmlns="http://www.w3.org/1999/xhtml"
3         xmlns:ui="http://java.sun.com/jsf/facelets"
4         xmlns:h="http://java.sun.com/jsf/html"
5         xmlns:f="http://java.sun.com/jsf/core">
6      <h:head>
7          <title>Prva JSF aplikacija</title>
8      </h:head>
9      <body>
10         <ui:insert name="header" />
11         <ui:insert name="body" />
12     </body>
13 </html>
```

template2.xhtml

```
1  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
2  <html xmlns="http://www.w3.org/1999/xhtml"
3         xmlns:ui="http://java.sun.com/jsf/facelets"
4         xmlns:h="http://java.sun.com/jsf/html"
5         xmlns:f="http://java.sun.com/jsf/core">
6      <h:head>
7          <title>Prva JSF aplikacija</title>
8      </h:head>
9      <body>
10         <ui:insert name="header" />
11         <ui:insert name="body" />
12         <ui:insert name="body2" />
13     </body>
14 </html>
```

hedaer.xhtml

```
1  <html xmlns="http://www.w3.org/1999/xhtml"
2         xmlns:ui="http://java.sun.com/jsf/facelets"
3         xmlns:h="http://java.sun.com/jsf/html"
4         xmlns:f="http://java.sun.com/jsf/core">
5      <h:head />
6      <ui:composition>
7          <h:outputText value="Zaglavlje aplikacije"></h:outputText>
8          <hr />
9      </ui:composition>
10 </html>
```

body_chrome.xhtml

```
1  <html xmlns="http://www.w3.org/1999/xhtml"
2         xmlns:ui="http://java.sun.com/jsf/facelets"
3         xmlns:h="http://java.sun.com/jsf/html"
4         xmlns:f="http://java.sun.com/jsf/core">
5      <h:head />
6      <ui:composition>
7          <h:outputText value="Ovoj stranici pristupate korištenjem Chrome-a"></h:outputText>
8      </ui:composition>
9  </html>
```

body_firefox.xhtml

```
1  <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html"
4      xmlns:f="http://java.sun.com/jsf/core">
5      <h:head />
6      <ui:composition>
7          <h:outputText value="Ovoj stranici pristupate korištenjem Firefox-a"></h:outputText>
8      </ui:composition>
9  </html>
```

body_ie.xthml

```
1  <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html"
4      xmlns:f="http://java.sun.com/jsf/core">
5      <h:head />
6      <ui:composition>
7          <h:outputText value="Ovoj stranici pristupate korištenjem Internet Explorer-a"></h:outputText>
8      </ui:composition>
9  </html>
```

body_zaglavlje.xhtml

```
1  <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html"
4      xmlns:f="http://java.sun.com/jsf/core">
5  <h:head />
6  <ui:composition>
7      <h:form>
8              <h:dataTable value="#{headerBean.zaglavlja}" var="zaglavlje"
9                  style="width: 100%">
10              <h:column>
11                  <f:facet name="header">Naziv polja</f:facet>
12                  <h:commandLink value="#{zaglavlje.nazivPolja}" action="#{headerBean.obrisiZaglavlje}">
13                      <f:param value="#{zaglavlje.nazivPolja}" name="zaglavlje" />
14                  </h:commandLink>
15              </h:column>
16              <h:column>
17                  <f:facet name="header">Vrijednost polja</f:facet>
18                  <h:outputText value="#{zaglavlje.vrijednostPolja}"></h:outputText>
19              </h:column>
20          </h:dataTable>
21      </h:form>
22  </ui:composition>
23  </html>
```
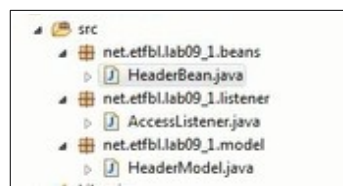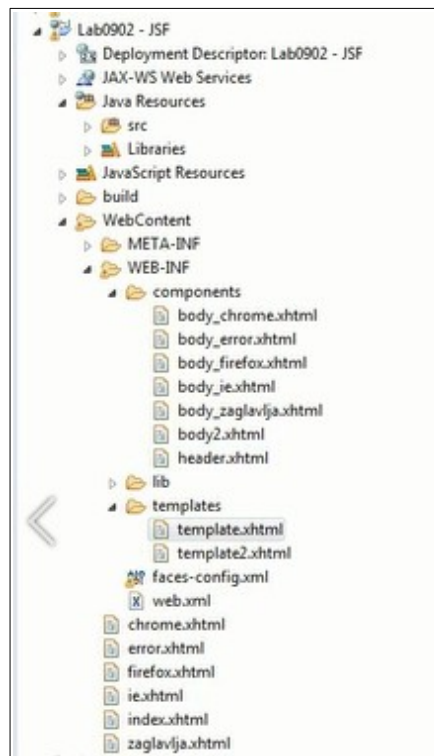
body2.xhtml

```xhtml
1 <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html"
4      xmlns:f="http://java.sun.com/jsf/core">
5      <h:head />
6      <ui:composition>
7          <hr />
8          <h:form>
9          <h:panelGrid columns="2">
10             <h:outputText value="Broj zaglavlja za prikaz: "></h:outputText>
11             <h:inputText value="#{headerBean.brojZaglavlja}">
12                 <f:validateLongRange maximum="15" minimum="1"></f:validateLongRange>
13             </h:inputText>
14             <h:outputText value=""></h:outputText>
15             <h:messages></h:messages>
16             <h:outputText value=""></h:outputText>
17             <h:commandButton value="Prikaži zaglavlja" action="#{headerBean.popuniModel}"></h:commandButton>
18         </h:panelGrid>
19         </h:form>
20     </ui:composition>
21 </html>
```

chrome.xhtml

```xhtml
1 <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html">
4      <h:head/>
5      <h:body>
6          <ui:composition template="/WEB-INF/templates/template2.xhtml">
7              <ui:define name="header">
8                  <ui:include src="/WEB-INF/components/header.xhtml"></ui:include>
9              </ui:define>
10             <ui:define name="body">
11                 <ui:include src="/WEB-INF/components/body_chrome.xhtml"></ui:include>
12             </ui:define>
13             <ui:define name="body2">
14                 <ui:include src="/WEB-INF/components/body2.xhtml"></ui:include>
15             </ui:define>
16         </ui:composition>
17     </h:body>
18 </html>
```

error.xhtml

```xhtml
1 <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html">
4      <h:head/>
5      <h:body>
6          <ui:composition template="/WEB-INF/templates/template.xhtml">
7              <ui:define name="header">
8                  <ui:include src="/WEB-INF/components/header.xhtml"></ui:include>
9              </ui:define>
10             <ui:define name="body">
11                 <ui:include src="/WEB-INF/components/body_error.xhtml"></ui:include>
12             </ui:define>
13         </ui:composition>
14     </h:body>
15 </html>
```

```java
1 package net.etfbl.lab09_1.model;
2
3 import java.io.Serializable;
4
5 public class HeaderModel implements Serializable {
6     /**
7      *
8      */
9     private static final long serialVersionUID = -8973837687076849683L;
10     private String nazivPolja = "";
11     private String vrijednostPolja = "";
12
13     public String getNazivPolja() {
14         return nazivPolja;
15     }
16
17     public void setNazivPolja(String nazivPolja) {
18         this.nazivPolja = nazivPolja;
19     }
20
21     public String getVrijednostPolja() {
22         return vrijednostPolja;
23     }
24
25     public void setVrijednostPolja(String vrijednostPolja) {
26         this.vrijednostPolja = vrijednostPolja;
27     }
28 }
29
```

```java
40     public String popuniModel() {
41         Map<String, String> mapa = FacesContext.getCurrentInstance().getExternalContext().getRequestHeaderMap();
42         Iterator<String> iter = mapa.keySet().iterator();
43         int i = 0;
44         while (iter.hasNext() && i < brojZaglavlja) {
45             String novoZaglavlje = iter.next();
46             String vrijednost = mapa.get(novoZaglavlje);
47             HeaderModel hm = new HeaderModel();
48             hm.setNazivPolja(novoZaglavlje);
49             hm.setVrijednostPolja(vrijednost);
50             zaglavlja.add(hm);
51             ++i;
52         }
53         return "zaglavlja.xhtml?faces-redirect=true";
54     }
55
56     public String obrisiZaglavlje() {
57         Map<String, String> reqMap=FacesContext.getCurrentInstance().getExternalContext().getRequestParameterMap();
58         if(reqMap.containsKey("zaglavlje")) {
59             String z=reqMap.get("zaglavlje");
60             for(HeaderModel hm:zaglavlja) {
61                 if(hm.getNazivPolja().equals(z)) {
62                     zaglavlja.remove(hm);
63                     break;
64                 }
65             }
```

AccessListener

```java
@Override
public void beforePhase(PhaseEvent arg0) {
    FacesContext ctx = arg0.getFacesContext();
    HttpServletRequest req = (HttpServletRequest) ctx.getExternalContext().getRequest();
    HttpServletResponse resp = (HttpServletResponse) ctx.getExternalContext().getResponse();
    HttpSession sesija = (HttpSession) FacesContext.getCurrentInstance().getExternalContext().getSession(true);
    if (req.getRequestURI().endsWith("/") || req.getRequestURI().contains("index.xhtml")) {
        String browser = req.getHeader("User-Agent");
        String adresa = "";
        if (browser.contains("Chrome")) {
            adresa = "chrome.xhtml?faces-redirect=true";
        } else if (browser.contains("Firefox")) {
            adresa = "firefox.xhtml?faces-redirect=true";
        } else {
            adresa = "ie.xhtml?faces-redirect=true";
        }
        sesija.setAttribute("ok", "ok");
        if (!(resp.isCommitted())) {
            ctx.getApplication().getNavigationHandler().handleNavigation(FacesContext.getCurrentInstance(), null,
                    adresa);
            ctx.responseComplete();
        }
    } else if (req.getRequestURI().contains("firefox.xhtml") || req.getRequestURI().contains("chrome.xhtml")
            || req.getRequestURI().contains("ie.xhtml")) {
        if (!resp.isCommitted()) {
            if (sesija.getAttribute("ok") == null && !(FacesContext.getCurrentInstance().isValidationFailed()))
                FacesContext.getCurrentInstance().getApplication().getNavigationHandler().handleNavigation(
                        FacesContext.getCurrentInstance(), null, "error.xhtml?faces-redirect=true");
        } else
            sesija.removeAttribute("ok");

    }
}
```

HeaderListener.java

```java
public String obrisiZaglavlje() {
    Map<String, String> reqMap=FacesContext.getCurrentInstance().getExternalContext().getRequestParameterMap();
    if(reqMap.containsKey("zaglavlje")) {
        String z=reqMap.get("zaglavlje");
        for(HeaderModel hm:zaglavlja) {
            if(hm.getNazivPolja().equals(z)) {
                zaglavlja.remove(hm);
                break;
            }
        }
    }
    return null;
}
```

Page reload

web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://java.sun.com/xml/ns/javaee" xmlns:web="htt
    <display-name>JSFPrimjer</display-name>
    <welcome-file-list>
        <welcome-file>index.xhtml</welcome-file>
        <welcome-file>index.htm</welcome-file>
        <welcome-file>index.jsp</welcome-file>
        <welcome-file>default.html</welcome-file>
        <welcome-file>default.htm</welcome-file>
        <welcome-file>default.jsp</welcome-file>
    </welcome-file-list>
    <servlet>
        <servlet-name>Faces Servlet</servlet-name>
        <servlet-class>javax.faces.webapp.FacesServlet</servlet-class>
        <load-on-startup>1</load-on-startup>
    </servlet>
    <servlet-mapping>
        <servlet-name>Faces Servlet</servlet-name>
        <url-pattern>*.xhtml</url-pattern>
    </servlet-mapping>
    <context-param>
        <description>State saving method: 'client' or 'server' (=default). See JSF Specification 2.5.2</description>
        <param-name>javax.faces.STATE_SAVING_METHOD</param-name>
        <param-value>client</param-value>
    </context-param>
    <context-param>
        <param-name>javax.servlet.jsp.jstl.fmt.localizationContext</param-name>
        <param-value>resources.application</param-value>
    </context-param>
    <listener>
        <listener-class>com.sun.faces.config.ConfigureListener</listener-class>
    </listener>
</web-app>
```

faces-config.xml

```xml
1  <?xml version="1.0" encoding="UTF-8"?>
2
3  <faces-config
4      xmlns="http://java.sun.com/xml/ns/javaee"
5      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
6      xsi:schemaLocation="http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-facesconfig_2_1.xsd"
7      version="2.1">
8      <lifecycle>
9          <phase-listener>net.etfbl.lab09_1_listener.AccessListener</phase-listener>
10     </lifecycle>
11 </faces-config>
12
```

Zaglavlje aplikacije

Ovoj stranici pristupate korištenjem Internet Explorer-a

Broj zaglavlja za prikaz: 0

Prikaži zaglavlja

Zaglavlje aplikacije

Ovoj stranici pristupate korištenjem Internet Explorer-a

Broj zaglavlja za prikaz:

[20]

- j_idt9:j_idt12: Validation Error: Specified attribute is not between the expected values of 1 and 15.

[Prikaži zaglavlja]

Zaglavlje aplikacije

Naziv polja	Vrijednost polja
accept	application/x-ms-application, image/jpeg, application/xaml+xml, image/gif, image/pjpeg, application/x-ms-xbap, application/vnd.ms-excel, application/vnd.ms-powerpoint, application/msword, */*
referer	http://localhost:8080/Lab0902_-_JSF/ie.xhtml
accept-language	en-US
content-type	application/x-www-form-urlencoded
ua-cpu	AMD64
accept-encoding	gzip, deflate
user-agent	Mozilla/5.0 (Windows NT 6.1; Win64; x64; Trident/7.0; rv:11.0) like Gecko

---

Zaglavlje aplikacije

Naziv polja	Vrijednost polja
accept	application/x-ms-application, image/jpeg, application/xaml+xml, image/gif, image/pjpeg, application/x-ms-xbap, application/vnd.ms-excel, application/vnd.ms-powerpoint, application/msword, */*
referer	http://localhost:8080/Lab0902_-_JSF/ie.xhtml
content-type	application/x-www-form-urlencoded
accept-encoding	gzip, deflate

Zaglavlje aplikacije

Ovoj stranici pristupate korištenjem Firefox-a

Broj zaglavlja za prikaz: 0

Prikaži zaglavlja

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml"><head>
    <title>Prva JSF aplikacija</title></head>
    <body>Zaglavlje aplikacije
        <hr />Ovoj stranici pristupate korištenjem Firefox-a
        <hr />
<form id="j_idt9" name="j_idt9" method="post" action="/Lab0902 - JSF/firefox.xhtml" enctype="application/x-www-form-urlencoded">
<input type="hidden" name="j_idt9" value="j_idt9" />
<table>
<tbody>
<tr>
<td>Broj zaglavlja za prikaz: </td>
<td><input type="text" name="j_idt9:j_idt12" value="0" /></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><input type="submit" name="j_idt9:j_idt16" value="Prikaži zaglavlja" /></td>
</tr>
</tbody>
</table>
<input type="hidden" name="javax.faces.ViewState" id="javax.faces.ViewState" value="H4sIAAAAAAAAAFvzloGloLiIQTArsSxRr7QkM0fPI7E4wzexgJX9isHDYgkKmRmY3Bi4cvITU9wSk0vyizw2OEsyi1KLM/JzUioK7B0YQICnnANICgAxYwmDTHJ+rl5xaZ5eWmJyarGeS
</form>
        </body>
</html>
```

APLIKACIJA 49

planer_obaveza.xhtml

```sql
1    CREATE DATABASE  IF NOT EXISTS `planer_obaveza`;
2    USE `planer_obaveza`;
3
4    DROP TABLE IF EXISTS `obaveza`;
5
6    CREATE TABLE `obaveza` (
7        `id` int(11) NOT NULL AUTO_INCREMENT,
8        `opis` varchar(45) NOT NULL,
9        `datum` date NOT NULL,
10       `kategorija` varchar(45) NOT NULL,
11       `adresaKorisnika` varchar(45) NOT NULL,
12       PRIMARY KEY (`id`)
13   ) ENGINE=InnoDB DEFAULT CHARSET=utf8;
14
15   INSERT INTO `obaveza` VALUES (1,'opis','2018-01-17','neka','adresa'),(2,'Ovo je nova obaveza','2018-01-20','poslovna obaveza','Neka');
```

template.xhtml

```xhtml
1  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
2  <html xmlns="http://www.w3.org/1999/xhtml"
3        xmlns:ui="http://java.sun.com/jsf/facelets"
4        xmlns:h="http://java.sun.com/jsf/html"
5        xmlns:f="http://java.sun.com/jsf/core">
6    <h:head>
7        <title>Aplikacija za planiranje obaveza</title>
8    </h:head>
9    <h:body>
10       <ui:insert name="header" />
11       <ui:insert name="body" />
12   </h:body>
13 </html>
```

web.xml

```xml
1  <?xml version="1.0" encoding="UTF-8"?>
2  <web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3      xmlns="http://xmlns.jcp.org/xml/ns/javaee"
4      xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
5      id="WebApp_ID" version="4.0">
6      <display-name>Lab09</display-name>
7      <welcome-file-list>
8          <welcome-file>pregledObaveza.xhtml</welcome-file>
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
17     <servlet>
18         <servlet-name>Faces Servlet</servlet-name>
19         <servlet-class>javax.faces.webapp.FacesServlet</servlet-class>
20         <load-on-startup>1</load-on-startup>
21     </servlet>
22     <servlet-mapping>
23         <servlet-name>Faces Servlet</servlet-name>
24         <url-pattern>*.xhtml</url-pattern>
25     </servlet-mapping>
26     <context-param>
27         <param-name>javax.faces.STATE_SAVING_METHOD</param-name>
28         <param-value>client</param-value>
29     </context-param>
30     <context-param>
31         <param-name>javax.servlet.jsp.jstl.fmt.localizationContext</param-name>
32         <param-value>resources.application</param-value>
33     </context-param>
34
35 </web-app>
```

body_obaveze.xhtml

```xhtml
1  <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html"
4      xmlns:f="http://java.sun.com/jsf/core">
5  <h:head />
6  <ui:composition>
7      <h:form>
8          <b>Obaveze za trazeni datum su:</b>
9          <h:dataTable value="${obavezaBean.obaveze}" var="obaveza"
10             style="width: 100%; align: center">
11             <h:column>
12                 <f:facet name="header">ID obaveze</f:facet>
13                 <h:outputText value="${obaveza.id}">
14                 </h:outputText>
15             </h:column>
16             <h:column>
17                 <f:facet name="header">Opis</f:facet>
18                 <h:outputText value="${obaveza.opis}"></h:outputText>
19             </h:column>
20             <h:column>
21                 <f:facet name="header">Kategorija</f:facet>
22                 <h:outputText value="${obaveza.kategorija}"></h:outputText>
23             </h:column>
24             <h:column>
25                 <f:facet name="header">Adresa korisnika</f:facet>
26                 <h:outputText value="${obaveza.adresa}"></h:outputText>
27             </h:column>
28             <h:column>
29                 <f:facet name="header">Datum</f:facet>
30                 <h:outputText value="${obaveza.datum}"></h:outputText>
31             </h:column>
32             <h:column>
33                 <f:facet name="header">Obrisi obavezu</f:facet>
34                 <h:commandLink value="Obrisi - ${obaveza.id}"
35                     action="#{obavezaBean.obrisiObavezu}">
36                     <f:param value="${obaveza.id}" name="id" />
37                 </h:commandLink>
38             </h:column>
39         </h:dataTable>
40     </h:form>
```

body_pregledObaveza.xhtml

```
1 <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html"
4      xmlns:f="http://java.sun.com/jsf/core">
5    <h:head />
6    <ui:composition>
7       <hr />
8       <h:form>
9          <h:panelGrid columns="2">
10            <h:outputText value="Unesite datum za prikaz: "></h:outputText>
11            <h:inputText value="${obavezaBean.datum}">
12            </h:inputText>
13            <h:outputText value=""></h:outputText>
14            <h:commandButton value="Prikaži obaveze" action="#{obavezaBean.ocitajObavezeIzBaze}"></h:commandButton>
15          </h:panelGrid>
16       </h:form>
17    </ui:composition>
18 </html>
```

body_unosObaveza.xhtml

```
1 <html xmlns="http://www.w3.org/1999/xhtml"
2      xmlns:ui="http://java.sun.com/jsf/facelets"
3      xmlns:h="http://java.sun.com/jsf/html"
4      xmlns:f="http://java.sun.com/jsf/core">
5    <h:head />
6    <ui:composition>
7    <hr/>
8       <h:outputText value="Unesite podatke o zeljenoj obavezi"></h:outputText>
9       <hr />
10      <h:form>
11         <h:panelGrid columns="2">
12            <h:outputText value="Opis: "></h:outputText>
13            <h:inputTextarea value="${obavezaBean.obaveza.opis}">
14            </h:inputTextarea>
15            <h:outputText value="Adresa: "></h:outputText>
16            <h:inputText value="${obavezaBean.obaveza.adresa}">
17            </h:inputText>
18            <h:outputText value="Datum: "></h:outputText>
19            <h:inputText converter="javax.faces.DateTime" value="${obavezaBean.obaveza.datum}">
20               <f:convertDateTime pattern="dd.mm.yyyy"/>
21            </h:inputText>
22            <h:outputText value="Kategorija: "></h:outputText>
23            <h:selectOneMenu value="${obavezaBean.obaveza.kategorija}">
24               <f:selectItem itemValue="poslovna obaveza" itemLabel="poslovna obaveza"></f:selectItem>
25               <f:selectItem itemValue="privatna obaveza" itemLabel="privatna obaveza"></f:selectItem>
26               <f:selectItem itemValue="ostalo" itemLabel="ostalo"></f:selectItem>
27            </h:selectOneMenu>
28            <h:outputText value=""></h:outputText>
29            <h:commandButton value="Unesi obavezu" action="#{obavezaBean.upisiObavezu}"></h:commandButton>
30         </h:panelGrid>
31      </h:form>
32      <h:outputText value="${obavezaBean.poruka}"></h:outputText>
33   </ui:composition>
34 </html>
```
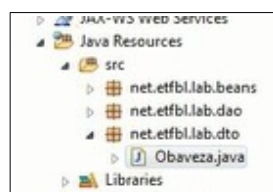
header.xhtml

```
1 <html xmlns="http://www.w3.org/1999/xhtml"
2     xmlns:ui="http://java.sun.com/jsf/facelets"
3     xmlns:h="http://java.sun.com/jsf/html"
4     xmlns:f="http://java.sun.com/jsf/core">
5 <h:head />
6 <ui:composition>
7     <h:outputText value="Trenutni datum: " style="font-weight: bold;"></h:outputText>
8     <h:outputText value="${session.lastAccessedTime}">
9         <f:convertDateTime pattern="dd.MM.yyyy." type="date" />
10    </h:outputText>
11    <h:outputText value=" Adresa sa koje korisnik pristupa: " style="font-weight: bold;"></h:outputText>
12    <h:outputText value="${request.getRequestURL()}"></h:outputText>
13    <hr />
14    <h:outputLink value="pregledObaveza.xhtml">Pregled obaveza</h:outputLink> || <h:outputLink value="unosObaveza.xhtml">Unos obaveza</h:outputLink>
15 </ui:composition>
16 </html>
```

Obaveza.java

```java
1 package net.etfbl.lab.dto;
2
3 import java.io.Serializable;
4
5
6 public class Obaveza implements Serializable {
7
8     private static final long serialVersionUID = -5152941347101008809L;
9     private int id;
10    private String opis;
11    private Date datum;
12    private String kategorija;
13    private String adresa;
14
15    public Obaveza() {
16        // TODO Auto-generated constructor stub
17    }
18
19    public Obaveza(int id, String opis, Date datum, String kategorija, String adresa) {
20        super();
21        this.id = id;
22        this.opis = opis;
23        this.datum = datum;
24        this.kategorija = kategorija;
25        this.adresa = adresa;
26    }
27
28    public int getId() {
29        return id;
30    }
31
32    public void setId(int id) {
33        this.id = id;
34    }
35
36    public String getOpis() {
37        return opis;
38    }
39
40    public void setOpis(String opis) {
41        this.opis = opis;
```

```
▷ ⚙ JAX-WS Web Services
▲ 🐗 Java Resources
  ▲ 📂 src
    ▷ ⊞ net.etfbl.lab.beans
    ▷ ⊞ net.etfbl.lab.dao
    ▲ ⊞ net.etfbl.lab.dto
      ▷ 🗋 Obaveza.java
  ▷ 📚 Libraries
```

ObavezeDAO.java

```java
 1  package net.etfbl.lab.dao;
 2
 3⊕ import java.sql.Connection;
10
11  public class ObavezeDAO {
12
13      private static final String INSERT = "INSERT INTO planer_obaveza.obaveza (opis, datum, kategorija, adresaKorisnika) VALUES (?, ?, ?, ?)";
14      private static final String SELECT = "SELECT * FROM planer_obaveza.obaveza WHERE datum>? order by datum";
15      private static final String DELETE = "DELETE FROM planer_obaveza.obaveza WHERE id=?";
16
17⊖     public static boolean unesiObavezu(Obaveza obaveza) {
18          Connection conn = null;
19          try {
20              conn = ConnectionPool.getConnectionPool().checkOut();
21              PreparedStatement stmt = conn.prepareStatement(INSERT);
22              stmt.setString(1, obaveza.getOpis());
23              stmt.setDate(2, new Date(obaveza.getDatum().getTime()));
24              stmt.setString(3, obaveza.getKategorija());
25              stmt.setString(4, obaveza.getAdresa());
26              stmt.executeUpdate();
27              stmt.close();
28              return true;
29          } catch (Exception ex) {
30              ex.printStackTrace(System.err);
31              return false;
32          } finally {
33              ConnectionPool.getConnectionPool().checkIn(conn);
34          }
35      }
36
37⊖     public static ArrayList<Obaveza> ocitajObavezePoDatumu(String datum) {
38          ArrayList<Obaveza> obaveze = new ArrayList<>();
39          Connection conn = null;
40          try {
41              conn = ConnectionPool.getConnectionPool().checkOut();
42              PreparedStatement stmt = conn.prepareStatement(SELECT);
43              stmt.setObject(1, datum);
44              ResultSet rs = stmt.executeQuery();
45              while (rs.next()) {
46                  obaveze.add(
```

```java
private static final String DELETE = "DELETE FROM planer_obaveza.obaveza WHERE id=?";

public static boolean unesiObavezu(Obaveza obaveza) {
    Connection conn = null;
    try {
        conn = ConnectionPool.getConnectionPool().checkOut();
        PreparedStatement stmt = conn.prepareStatement(INSERT);
        stmt.setString(1, obaveza.getOpis());
        stmt.setDate(2, new Date(obaveza.getDatum().getTime()));
        stmt.setString(3, obaveza.getKategorija());
        stmt.setString(4, obaveza.getAdresa());
        stmt.executeUpdate();
        stmt.close();
        return true;
    } catch (Exception ex) {
        ex.printStackTrace(System.err);
        return false;
    } finally {
        ConnectionPool.getConnectionPool().checkIn(conn);
    }
}

public static ArrayList<Obaveza> ocitajObavezePoDatumu(String datum) {
    ArrayList<Obaveza> obaveze = new ArrayList<>();
    Connection conn = null;
    try {
        conn = ConnectionPool.getConnectionPool().checkOut();
        PreparedStatement stmt = conn.prepareStatement(SELECT);
        stmt.setObject(1, datum);
        ResultSet rs = stmt.executeQuery();
        while (rs.next()) {
            obaveze.add(
                    new Obaveza(rs.getInt(1), rs.getString(2), rs.getDate(3), rs.getString(4), rs.getString(5)));
        }
        rs.close();
        stmt.close();
    } catch (Exception ex) {
        ex.printStackTrace(System.err);
    } finally {
        ConnectionPool.getConnectionPool().checkIn(conn);
```

```java
37     public static ArrayList<Obaveza> ocitajObavezePoDatumu(String datum) {
38         ArrayList<Obaveza> obaveze = new ArrayList<>();
39         Connection conn = null;
40         try {
41             conn = ConnectionPool.getConnectionPool().checkOut();
42             PreparedStatement stmt = conn.prepareStatement(SELECT);
43             stmt.setObject(1, datum);
44             ResultSet rs = stmt.executeQuery();
45             while (rs.next()) {
46                 obaveze.add(
47                         new Obaveza(rs.getInt(1), rs.getString(2), rs.getDate(3), rs.getString(4), rs.getString(5)));
48             }
49             rs.close();
50             stmt.close();
51         } catch (Exception ex) {
52             ex.printStackTrace(System.err);
53         } finally {
54             ConnectionPool.getConnectionPool().checkIn(conn);
55         }
56         return obaveze;
57     }
58
59     public static void obrisiObavezu(int id) {
60         Connection conn = null;
61         try {
62             conn = ConnectionPool.getConnectionPool().checkOut();
63             PreparedStatement stmt = conn.prepareStatement(DELETE);
64             stmt.setInt(1, id);
65             stmt.executeUpdate();
66             stmt.close();
67         } catch (Exception ex) {
68             ex.printStackTrace(System.err);
69         } finally {
70             ConnectionPool.getConnectionPool().checkIn(conn);
71         }
72     }
73 }
74
```

```
51⊖    public String getPoruka() {
52         return poruka;
53     }
54
55⊖    public void setPoruka(String poruka) {
56         this.poruka = poruka;
57     }
58
59⊖    public String ocitajObavezeIzBaze() {
60         obaveze = ObavezeDAO.ocitajObavezePoDatumu(datum);
61         return "obaveze.xhtml?faces-redirect=true";
62     }
63
64⊖    public String upisiObavezu() {
65         boolean uspjeh = ObavezeDAO.unesiObavezu(obaveza);
66         if (uspjeh) {
67             this.obaveza = new Obaveza();
68             this.poruka = "Unos u bazu je uspjesno obavljen!";
69         }
70         return null;
71     }
72
73⊖    public String obrisiObavezu() {
74         Map<String, String> reqMap = FacesContext.getCurrentInstance().getExternalContext().getRequestParameterMap();
75         if (reqMap.containsKey("id")) {
76             int z = Integer.parseInt(reqMap.get("id"));
77             for (Obaveza o : obaveze) {
78                 if (o.getId() == z) {
79                     obaveze.remove(o);
80                     ObavezeDAO.obrisiObavezu(z);
81                     break;
82                 }
83             }
84         }
85         return null;
86     }
87
88 }
```

Trenutni datum: 27.01.2021 **Adresa sa koje korisnik pristupa:** http://localhost:8080/Lab09_-_JSF/

Pregled obaveza || Unos obaveza

Unesite datum za prikaz: [   ]

[Prikaži obaveze]

Trenutni datum: 27.01.2021. **Adresa sa koje korisnik pristupa:** http://localhost:8080/Lab09_-_JSF/

Pregled obaveza || Unos obaveza

Unesite datum za prikaz: [25.01.2021   ]

[Prikaži obaveze]

Trenutni datum: 27.01.2021. **Adresa sa koje korisnik pristupa:** http://localhost:8080/Lab09_-_JSF/obaveze.xhtml

Pregled obaveza || Unos obaveza
Obaveze za trazeni datum su:

ID obaveze	Opis	Kategorija	Adresa korisnika	Datum	Obrisi obavezu

---

Pregled obaveza || Unos obaveza
Obaveze za trazeni datum su:

ID obaveze	Opis	Kategorija	Adresa korisnika	Datum	Obrisi obavezu
1	opis	neka	adresa	2018-01-17	Obrisi - 1
2	Ovo je nova obaveza	poslovna obaveza	Neka	2018-01-20	Obrisi - 2
3	kdjeietjgvhjhj	poslovna obaveza	fkjgkfgjkgj	2021-01-25	Obrisi - 3

Trenutni datum: 27.01.2021. **Adresa sa koje korisnik pristupa:** http://localhost:8080/Lab09_-_JSF/unosObaveza.xhtml

Pregled obaveza || Unos obaveza

Unesite podatke o zeljenoj obavezi

Opis: ovo je nova

Adresa:
Datum:
Kategorija: poslovna obaveza

[Unesi obavezu]

Trenutni datum: 27.01.2021. **Adresa sa koje korisnik pristupa:** http://localhost:8080/Lab09_-_JSF/unosObaveza.xhtml

Pregled obaveza || Unos obaveza

Unesite podatke o zeljenoj obavezi

Opis:

Adresa:
Datum:
Kategorija: poslovna obaveza

[Unesi obavezu]

Unos u bazu je uspjesno obavljen!

---

id	opis	datum	kategorija	adresaKorisnika
1	opis	2018-01-17	neka	adresa
2	Ovo je nova obaveza	2018-01-20	poslovna obaveza	Neka
3	kdjeietjgvhjhj	2021-01-25	poslovna obaveza	fkjgkfgjkgj
4	ovo je nova obaveza	2021-01-29	poslovna obaveza	Patre 5
NULL	NULL	NULL	NULL	NULL

Trenutni datum: 27.01.2021. **Adresa sa koje korisnik pristupa:** http://localhost:8080/Lab09_-_JSF/obaveze.xhtml

Pregled obaveza || Unos obaveza

Obaveze za trazeni datum su:

ID obaveze	Opis	Kategorija	Adresa korisnika	Datum	Obrisi obavezu
1	opis	neka	adresa	2018-01-17	Obrisi - 1
2	Ovo je nova obaveza	poslovna obaveza	Neka	2018-01-20	Obrisi - 2
3	kdjeietjgvhjhj	poslovna obaveza	fkjgkfgjkgj	2021-01-25	Obrisi - 3
4	ovo je nova obaveza	poslovna obaveza	Patre 5	2021-01-29	Obrisi - 4

〈 〉

Trenutni datum: 27.01.2021. **Adresa sa koje korisnik pristupa:** http://localhost:8080/Lab09_-_JSF/pregledObaveza.xhtml

Pregled obaveza || Unos obaveza

Unesite datum za prikaz: 2021-01-28

Prikaži obaveze

Trenutni datum: 27.01.2021. **Adresa sa koje korisnik pristupa:** http://localhost:8080/Lab09_-_JSF/obaveze.xhtml

Pregled obaveza || Unos obaveza

Obaveze za trazeni datum su:

ID obaveze	Opis	Kategorija	Adresa korisnika	Datum	Obrisi obavezu
4	ovo je nova obaveza	poslovna obaveza	Patre 5	2021-01-29	Obrisi - 4