

# 1 Simple application

1. configure JSF : check for file WEB-INF/faces-fonfig.xml, add the following element:

---

```
<application>
  <el-resolver>org.springframework.web.jsf.el.SpringBeanFacesELResolver</el-resolver>
</application>
```

---

2. create jsf page index.xhtml
3. create jsf page user-list.xhtml
4. create jsf page create-user.xhtml
5. in index.xhtml add links to the other jsf pages

---

```
<ul>
  <li><h:outputLink value="user-list.xhtml">list all
    users</h:outputLink></li>
  <li><h:outputLink value="create-user.xhtml">create
    user</h:outputLink></li>
</ul>
```

---

6. from other jsf pages link back to index.xhtml

---

```
<h:outputLink value="index.xhtml">go to main page</h:outputLink>
```

---

7. Create the form for adding new users in create-user.xhtml

---

```
<h:form>
  <h:inputText value="#{userBB.name}"/>
  <h:inputSecret value="#{userBB.password}"/>
  <h:inputText value="#{userBB.age}"/>
  <h:commandButton value="create"
    action="#{userBB.saveUser()}"><br/>
  <h:messages showDetail="true"/>
</h:form>
```

---

8. Create the backing bean UserBB with request scope

---

```
@ManagedBean
@RequestScoped
public class UserBB {

  @ManagedProperty(name="userService", value="#{userServiceImpl}" )
  protected UserService userService;
```

```

public void setUserService(UserService users) {
    this.userService = users;
}

protected String name;
protected String password;
protected int age;
/** getters and setters */

// action
public String saveUser(){
    userService.addUser(name, password, age);
    return "success";
}
}

```

---

9. List all users in page list-users.xhtml using h:dataTable

```

<h:dataTable value="#{userServiceImpl.allUsers}" var="item">
  <h:column>
    <f:facet name="header">Id</f:facet>
    #{item.id}
  </h:column>
  <h:column>
    <f:facet name="header">Name</f:facet>
    #{item.userName}
  </h:column>
  <h:column>
    <f:facet name="header">Age</f:facet>
    #{item.age}
  </h:column>
</h:dataTable>

```

---

10. create jsf page update-user.xhtml and in the user list table make links edit user data. use the f:param in the h:outputLink

```

<h:outputLink value="update-user.xhtml">
  EDIT
  <f:param name="id" value="#{item.id}"/>
</h:outputLink>

```

---

11. create edit user form in update page update-user.xhtml  
 12. populate form from request parameter

---

```
<f:metadata>
  <f:viewParam name="id" value="#{userBB.id}"/>
  <f:event type="preRenderView" listener="#{userBB.loadUser()}/>
</f:metadata>
```

---

## 2 Internationalization

Add this xml configuration inside the application element in the jsf-config

---

```
<!--Localization configuration-->
<!--defin the default and the supported locales.-->
<locale-config>
  <default-locale>en</default-locale>
  <supported-locale>cs_CZ</supported-locale>
</locale-config>
<!--create a resource bundle -->
<resource-bundle>
  <base-name>cz.cvut.kbss.bookstore.pres.inter.bookstore</base-name>
  <var>msg</var>
</resource-bundle>
```

---

Usage in JSF page

---

```
<h1><h:outputText value="#{msg['user-list.title']}" /></h1>
```

---

## 3 Primefaces

---

```
<dependency>
  <groupId>org.primefaces</groupId>
  <artifactId>primefaces</artifactId>
  <version>3.4.2</version>
</dependency>
```

---

Examples at <http://www.primefaces.org/showcase>