

# 1 Simple application

1. create jsf page index.xhtml
2. create jsf page list-users.xhtml
3. create jsf page create-user.xhtml
4. 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>
```

---

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

---

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

---

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

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

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7. Create the backing bean UserBB with request scope

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```
@ManagedBean
@RequestScoped
public class UserBB {

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

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

    // action
    public String saveUser(){
```

```

        userService.addUser(name, password, age)
        return "success";
    }

    public UserService getUserService() {
        return userService;
    }

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

```

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8. 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.name}
    </h:column>
    <h:column>
        <f:facet name="header">Age</f:facet>
        #{item.age}
    </h:column>
</h:dataTable>

```

---

9. 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
10. create edit user form in update page update-user.xhtml
11. populate form from request parameter

```

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

```

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## 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>
```

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Usage in JSF page

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

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## 3 Primefaces

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

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