

1 Prepare project

1. Download and open project from exercise 6 BookStore-JPA-Spring-jUnit.
2. create a database with user name and password
3. set derby driver org.apache.derby.jdbc.ClientDriver
4. set derby url jdbc:derby://localhost:1527/[database name]
5. set username and password in jdbc.properties file
6. set derby dialect org.hibernate.dialect.DerbyDialect in jpa.properties file
7. add derby JDBC driver dependency to pom.xml

```
<dependency>
  <groupId>org.apache.derby</groupId>
  <artifactId>derbyclient</artifactId>
  <version>10.10.1.1</version>
</dependency>
```

2 JSF configuration

1. Add JSF dependencies to pom.xml

```
<!--JSF API from javarepo repository
  (http://download.java.net/maven/2/)-->
<dependency>
  <groupId>com.sun.faces</groupId>
  <artifactId>jsf-api</artifactId>
  <version>${com.sun.faces.version}</version>
</dependency>
<!--JSF Reference Implementation Mojarra from javarepo repository
  (http://download.java.net/maven/2/)-->
<dependency>
  <groupId>com.sun.faces</groupId>
  <artifactId>jsf-impl</artifactId>
  <version>${com.sun.faces.version}</version>
</dependency>
```

2. copy JSF version property to pom.xml

```
<com.sun.faces.version>2.1.14</com.sun.faces.version>
```

3. Configure JSF servlet in web.xml

```

<!--JSF servlet mapping-->
<!--JSF servlet configuration and servlet mappings-->
<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>*.jsf</url-pattern>
</servlet-mapping>
<servlet-mapping>
  <servlet-name>Faces Servlet</servlet-name>
  <url-pattern>*.html</url-pattern>
</servlet-mapping>

```

4. create JSF configuration file
5. Create a JSF page index.xhtml
6. Add a welcome file in web.xml

```

<welcome-file-list>
  <welcome-file>book-store-welcome-page.xhtml</welcome-file>
</welcome-file-list>

```

7. Run the application

3 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>

```
