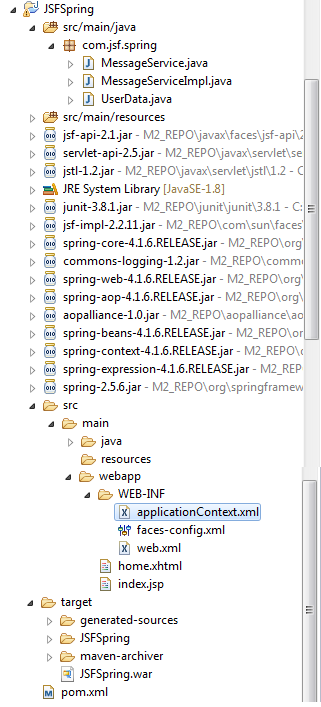
**JSF-Spring integration**

Project folder structure:



1. Write the interface MessageService.java

|  |
| --- |
| **package** com.jsf.spring;  **public** **interface** MessageService {  **public** **abstract** String getGreetingMessage();  } |

1. Write Impl class of above interface: MessageServiceImpl.java

|  |
| --- |
| **package** com.jsf.spring;  **public** **class** MessageServiceImpl **implements** MessageService {  **private** String message;    **public** String getMessage() {  **return** message;  }  **public** **void** setMessage(String message) {  **this**.message = message;  }  @Override  **public** String getGreetingMessage() {  **return** message;  }  } |

1. Write Managed bean: UserData.java

|  |
| --- |
| **package** com.jsf.spring;  **import** java.io.Serializable;  **import** javax.faces.bean.ManagedBean;  **import** javax.faces.bean.ManagedProperty;  **import** javax.faces.bean.RequestScoped;  @SuppressWarnings("serial")  @ManagedBean(name="userData")  @RequestScoped  **public** **class** UserData **implements** Serializable {  @ManagedProperty(value="#{messageService}")  **private** MessageService messageService;  **public** MessageService getMessageService() {  **return** messageService;  }  **public** **void** setMessageService(MessageService messageService) {  **this**.messageService = messageService;  }    **public** String getGreetingMessage(){  **return** messageService.getGreetingMessage();  }  } |

1. Index.jsp

|  |
| --- |
| <jsp:forward page="home.jsf"></jsp:forward> |

1. home.xhtml

|  |
| --- |
| <!DOCTYPE html>  <html xmlns=*"http://www.w3.org/1999/xhtml"*  xmlns:h=*"http://java.sun.com/jsf/html"*  xmlns:f=*"http://java.sun.com/jsf/core"*  xmlns:ui=*"http://java.sun.com/jsf/facelets"* lang=*"en"*>  <h:head>  <meta charset=*"ISO-8859-1"*/>  <title>JSF Spring</title>  </h:head>  <h:body>  <h2>JSF Spring integration:</h2>  #{userData.greetingMessage}  </h:body>  </html> |

1. faces-config.xml

|  |
| --- |
| <?xml version=*"1.0"* encoding=*"UTF-8"*?>  <faces-config xmlns=*"http://java.sun.com/xml/ns/javaee"*  xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*  xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-facesconfig\_2\_0.xsd"*  version=*"2.0"*>  <application>  <variable-resolver>org.springframework.web.jsf.DelegatingVariableResolver</variable-resolver>  </application>  </faces-config> |

1. web.xml

|  |
| --- |
| <!DOCTYPE web-app PUBLIC  "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"  "http://java.sun.com/dtd/web-app\_2\_3.dtd" >  <web-app>  <display-name>Archetype Created Web Application</display-name>  <context-param>  <param-name>javax.faces.PROJECT\_STAGE</param-name>  <param-value>Development</param-value>  </context-param>  <context-param>  <param-name>javax.faces.CONFIG\_FILES</param-name>  <param-value>/WEB-INF/faces-config.xml</param-value>  </context-param>  <!-- Add Support for Spring -->  <listener>  <listener-class>org.springframework.web.context.ContextLoaderListener</listener-class>  </listener>  <listener>  <listener-class>org.springframework.web.context.request.RequestContextListener</listener-class>  </listener>  <servlet>  <servlet-name>Faces Servlet</servlet-name>  <servlet-class>javax.faces.webapp.FacesServlet</servlet-class>  </servlet>  <servlet-mapping>  <servlet-name>Faces Servlet</servlet-name>  <url-pattern>\*.jsf</url-pattern>  </servlet-mapping>  </web-app> |

1. applicationContext.xml

|  |
| --- |
| <?xml version=*"1.0"* encoding=*"UTF-8"*?>  <beans xmlns=*"http://www.springframework.org/schema/beans"*  xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*  xmlns:aop=*"http://www.springframework.org/schema/aop"*  xmlns:tx=*"http://www.springframework.org/schema/tx"*  xsi:schemaLocation=*"*  *http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.xsd*  *http://www.springframework.org/schema/aop http://www.springframework.org/schema/aop/spring-aop.xsd*  *http://www.springframework.org/schema/tx http://www.springframework.org/schema/tx/spring-tx-4.0.xsd"*>  <bean id=*"messageService"* class=*"com.jsf.spring.MessageServiceImpl"*>  <property name=*"message"* value=*"Hello World Injected"*></property>  </bean>  </beans> |

1. pom.xml

|  |
| --- |
| <project xmlns=*"http://maven.apache.org/POM/4.0.0"* xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*  xsi:schemaLocation=*"http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd"*>  <modelVersion>4.0.0</modelVersion>  <groupId>com.jsf</groupId>  <artifactId>JSFSpring</artifactId>  <packaging>war</packaging>  <version>1.0-SNAPSHOT</version>  <name>JSFSpring Maven Webapp</name>  <url>http://maven.apache.org</url>  <dependencies>  <dependency>  <groupId>junit</groupId>  <artifactId>junit</artifactId>  <version>3.8.1</version>  <scope>test</scope>  </dependency>  <dependency>  <groupId>javax.faces</groupId>  <artifactId>jsf-api</artifactId>  <version>2.1</version>  </dependency>  <dependency>  <groupId>com.sun.faces</groupId>  <artifactId>jsf-impl</artifactId>  <version>2.2.11</version>  </dependency>  <dependency>  <groupId>javax.servlet</groupId>  <artifactId>servlet-api</artifactId>  <version>2.5</version>  </dependency>  <dependency>  <groupId>javax.servlet</groupId>  <artifactId>jstl</artifactId>  <version>1.2</version>  </dependency>  <dependency>  <groupId>org.springframework</groupId>  <artifactId>spring-core</artifactId>  <version>4.1.6.RELEASE</version>  </dependency>  <dependency>  <groupId>org.springframework</groupId>  <artifactId>spring-web</artifactId>  <version>4.1.6.RELEASE</version>  </dependency>  <dependency>  <groupId>org.springframework</groupId>  <artifactId>spring</artifactId>  <version>2.5.6</version>  </dependency>  </dependencies>  <build>  <finalName>JSFSpring</finalName>  <plugins>  <plugin>  <groupId>org.apache.maven.plugins</groupId>  <artifactId>maven-compiler-plugin</artifactId>  <version>2.3.1</version>  <configuration>  <source>1.8</source>  <target>1.8</target>  </configuration>  </plugin>  <!-- <plugin>  <artifactId>maven-resources-plugin</artifactId>  <version>2.6</version>  <executions>  <execution>  <id>copy-resources</id>  <phase>validate</phase>  <goals>  <goal>copy-resources</goal>  </goals>  <configuration>  <outputDirectory>${basedir}/target/helloworld/resources </outputDirectory>  <resources>  <resource>  <directory>src/main/resources</directory>  <filtering>true</filtering>  </resource>  </resources>  </configuration>  </execution>  </executions>  </plugin> -->  </plugins>  </build>  </project> |

**For detailed explanation:**

1. refer **1\_jsf\_basics\_tutorial.pdf** in **JavaPrep\JSF** 🡪 **JSF-Spring Integration** chapter.
2. <http://www.mkyong.com/jsf2/jsf-2-0-spring-integration-example/>