**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>coms</groupId>

<artifactId>SearchUserSpring</artifactId>

<packaging>war</packaging>

<version>0.0.1-SNAPSHOT</version>

<name>SearchUserSpring Maven Webapp</name>

<url>http://maven.apache.org</url>

<dependencies>

<!-- https://mvnrepository.com/artifact/org.springframework/spring-webmvc -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.2.4.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.springframework/spring-orm -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-orm</artifactId>

<version>5.2.3.RELEASE</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.hibernate.orm/hibernate-core -->

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.4.2.Final</version>

</dependency>

<!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -->

<dependency>

<groupId>mysql</groupId>

<artifactId>mysql-connector-java</artifactId>

<version>5.1.3</version>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-war-plugin</artifactId>

<version>3.3.1</version>

</plugin>

</plugins>

<finalName>SearchUserSpring</finalName>

</build>

</project>

**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>

<servlet>

<servlet-name>spring</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>spring</servlet-name>

<url-pattern>/</url-pattern>

</servlet-mapping>

</web-app>

**spring-servlet.xml:**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<beans xmlns=*"http://www.springframework.org/schema/beans"*

xmlns:context=*"http://www.springframework.org/schema/context"*

xmlns:mvc=*"http://www.springframework.org/schema/mvc"*

xmlns:tx=*"http://www.springframework.org/schema/tx"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://www.springframework.org/schema/beans http://www.springframework.org/schema/beans/spring-beans.xsd*

*http://www.springframework.org/schema/context http://www.springframework.org/schema/context/spring-context.xsd*

*http://www.springframework.org/schema/mvc http://www.springframework.org/schema/mvc/spring-mvc.xsd*

*http://www.springframework.org/schema/tx http://www.springframework.org/schema/tx/spring-tx.xsd"*>

<tx:annotation-driven />

<context:component-scan base-package=*"com"* />

<bean class=*"org.springframework.web.servlet.view.InternalResourceViewResolver"*>

<property name=*"prefix"* value=*"/WEB-INF/views/"* />

<property name=*"suffix"* value=*".jsp"* />

</bean>

<bean class=*"org.springframework.jdbc.datasource.DriverManagerDataSource"* name=*"ds"* >

<property name=*"driverClassName"* value=*"com.mysql.cj.jdbc.Driver"* />

<property name=*"url"* value=*"jdbc:mysql://localhost:3306/myusersdb"* />

<property name=*"username"* value=*"root"* />

<property name=*"password"* value=*"password”* />

</bean>

<bean

class=*"org.springframework.orm.hibernate5.LocalSessionFactoryBean"*

name=*"factory"*>

<property name=*"dataSource"* ref=*"ds"*></property>

<property name=*"hibernateProperties"*>

<props>

<prop key=*"hibernate.dialect"*>org.hibernate.dialect.MySQL5Dialect</prop>

<prop key=*"hibernate.show\_sql"*>true</prop>

<prop key=*"hibernate.hbm2ddl.auto"*>update</prop>

<prop key=*"show\_sql"*>true</prop>

</props>

</property>

<!-- annotated classes -->

<property name=*"annotatedClasses"*>

<list>

<value>com.models.User</value>

</list>

</property>

</bean>

<bean class=*"org.springframework.orm.hibernate5.HibernateTemplate"* name=*"hibernateTemplate"*>

<property name=*"sessionFactory"* ref=*"factory"*/>

</bean>

<bean class=*"org.springframework.orm.hibernate5.HibernateTransactionManager"* name=*"transactionManager"*>

<property name=*"sessionFactory"* ref=*"factory"* />

</bean>

</beans>

**User.java:**

**package** com.models;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

@Entity

@Table(name = "users")

**public** **class** User {

@Id

@GeneratedValue(strategy = GenerationType.***IDENTITY***)

**private** **int** id;

**private** String name;

**private** String email;

**private** String phone;

**public** **int** getId() {

**return** id;

}

**public** **void** setId(**int** id) {

**this**.id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getPhone() {

**return** phone;

}

**public** **void** setPhone(String phone) {

**this**.phone = phone;

}

@Override

**public** String toString() {

**return** "User [id=" + id + ", name=" + name + ", email=" + email + ", phone=" + phone + "]";

}

}

**UserDao.java:**

**package** com.dao;

**import** java.util.List;

**import** javax.transaction.Transactional;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.orm.hibernate5.HibernateTemplate;

**import** org.springframework.stereotype.Component;

**import** com.models.User;

@Component

**public** **class** UserDao {

@Autowired

**private** HibernateTemplate hibernateTemplate;

**public** User searchUserById(**int** id) {

User user = **new** User();

**try** {

String query = "from User where id = ?0";

List users = **this**.hibernateTemplate.~~find~~(query,**new** Object[] {id});

**if**(users.isEmpty()) {

user = **null**;

}

**else** {

user = (User)users.get(0);

}

} **catch** (Exception e) {

System.***out***.println(e);

}

**return** user;

}

@Transactional

**public** **void** updateUser(User user) {

**try** {

**this**.hibernateTemplate.saveOrUpdate(user);

} **catch** (Exception e) {

System.***out***.println(e);

}

}

}

**index.jsp:**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"* isELIgnored=*"false"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Search</title>

</head>

<body>

<h1>Search User</h1>

<form action=*"*${pageContext.request.contextPath}*/fetchUser"* method=*"post"*>

<label for=*"id"*>Id:</label>

<input type=*"number"* id=*"id"* name=*"id"* required>

<input type=*"submit"* value=*"Search"*>

</form>

<c:if test="${**not empty** message}" >

<b style="font-size: *20px*; color: *red*;">${message}</b>

</c:if>

</body>

</html>

**details.jsp:**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"* isELIgnored=*"false"* %>

<%@ taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Details</title>

</head>

<body>

<c:if test=*"*${**not empty** user}*"*>

<h3>User Details:</h3>

<form action=*"*${pageContext.request.contextPath}*/updateUser"* method=*"post"*

style="width: *300px*; display: *flex*; flex-direction: *column*; gap: *1rem*;">

<input type=*"hidden"* name=*"id"* value=*"*${user.id}*"* />

<div style="width: *100%*;">

<label for=*"name"*>Name: </label>

<input type=*"text"* name=*"name"* id=*"name"* value=*"*${user.name}*"* required />

</div>

<div style="width: *100%*;">

<label for=*"email"*>Email: </label>

<input type=*"email"* name=*"email"* id=*"email"* value=*"*${user.email}*"* required />

</div>

<div style="width: *100%*;">

<label for=*"phone"*>Phone: </label>

<input type=*"text"* name=*"phone"* id=*"phone"* value=*"*${user.phone}*"* required />

</div>

<input type=*"submit"* value=*"Submit"* />

</form>

</c:if>

<c:if test=*"*${**not empty** success}*"*>

<b style="font-size: *20px*; color: *green*;">${success}</b>

</c:if>

</body>

</html>

**UserController.java:**

**package** com.controllers;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.ui.Model;

**import** org.springframework.web.bind.annotation.ModelAttribute;

**import** org.springframework.web.bind.annotation.PathVariable;

**import** org.springframework.web.bind.annotation.RequestMapping;

**import** org.springframework.web.bind.annotation.RequestMethod;

**import** org.springframework.web.bind.annotation.RequestParam;

**import** com.dao.UserDao;

**import** com.models.User;

@Controller

**public** **class** UserController {

@Autowired

**private** UserDao userDao;

@RequestMapping(value = "/", method = RequestMethod.***GET***)

**public** String home() {

**return** "index";

}

@RequestMapping(value = "/fetchUser", method = RequestMethod.***POST***)

**public** String search(@RequestParam("id") **int** id, Model model) {

User user = userDao.searchUserById(id);

**if** (user != **null**) {

model.addAttribute("user", user);

**return** "details";

}

**else** {

model.addAttribute("message", "User not found");

**return** home();

}

}

@RequestMapping(value = "/updateUser", method = RequestMethod.***POST***)

**public** String updateUser(@ModelAttribute User user, Model model) {

userDao.updateUser(user);

model.addAttribute("success", "User updated successfully....");

**return** "details";

}

}