**pom.xml**

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

<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/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.springcore</groupId>

<artifactId>SearchingForSpecificUser</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>war</packaging>

<name>SearchingForSpecificUser Maven Webapp</name>

<!-- FIXME change it to the project's website -->

<url>http://www.example.com</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.source>1.7</maven.compiler.source>

<maven.compiler.target>1.7</maven.compiler.target>

</properties>

<dependencies>

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-core</artifactId>

<version>5.3.22</version>

</dependency>

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

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-context</artifactId>

<version>5.3.22</version>

</dependency>

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

<!-- https://mvnrepository.com/artifact/org.springframework/org.springframework.web.servlet -->

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

<dependency>

<groupId>mysql</groupId>

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

<version>8.0.29</version>

</dependency>

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

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-orm</artifactId>

<version>5.3.22</version>

</dependency>

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

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.6.4.Final</version>

</dependency>

<!-- https://mvnrepository.com/artifact/jstl/jstl -->

<!-- https://mvnrepository.com/artifact/jstl/jstl -->

<dependency>

<groupId>jstl</groupId>

<artifactId>jstl</artifactId>

<version>1.2</version>

</dependency>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.11</version>

<scope>test</scope>

</dependency>

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

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.3.22</version>

</dependency>

</dependencies>

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

<build>

<finalName>SearchingForSpecificUser</finalName>

<pluginManagement>

<!-- lock down plugins versions to avoid using Maven defaults (may be moved to parent pom) -->

<plugins>

<plugin>

<artifactId>maven-clean-plugin</artifactId>

<version>3.1.0</version>

</plugin>

<!-- see http://maven.apache.org/ref/current/maven-core/default-bindings.html#Plugin\_bindings\_for\_war\_packaging -->

<plugin>

<artifactId>maven-resources-plugin</artifactId>

<version>3.0.2</version>

</plugin>

<plugin>

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

<version>3.8.0</version>

</plugin>

<plugin>

<artifactId>maven-surefire-plugin</artifactId>

<version>2.22.1</version>

</plugin>

<plugin>

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

<version>3.2.2</version>

</plugin>

<plugin>

<artifactId>maven-install-plugin</artifactId>

<version>2.5.2</version>

</plugin>

<plugin>

<artifactId>maven-deploy-plugin</artifactId>

<version>2.8.2</version>

</plugin>

</plugins>

</pluginManagement>

</build>

</project>

**web.xml**

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

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee; http://java.sun.com/xml/ns/javaee/web-app\_3\_0.xsd"* id=*"WebApp\_ID"* version=*"3.0"*>

<display-name>Spring Crud Operation</display-name>

<welcome-file-list>

<welcome-file>index.jsp</welcome-file>

</welcome-file-list>

<servlet>

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

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

<load-on-startup>1</load-on-startup>

</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

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/tx*

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

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

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

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

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

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

<tx:annotation-driven />

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

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

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

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

</bean>

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

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

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

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

<property name=*"password"* value=*"88888888"* />

</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.MySQL57Dialect</prop>

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

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

</props>

</property>

<property name=*"annotatedClasses"*>

<list>

<value> com.abc.entities.User</value>

</list>

</property>

</bean>

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

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

</bean>

<bean class=*"com.abc.dao.UserDao"* name=*"userDao"*>

<property name=*"hibernateTemplate"* ref=*"hibernateTemplate"*>

</property>

</bean>

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

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

</property>

</bean>

</beans>

**User.java**

**package** com.abc.entities;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

@Entity

@Table

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

@Id

@Column

**private** **int** userId;

@Column

**private** String userName;

@Column

**private** String userCity;

**public** **int** getUserId() {

**return** userId;

}

**public** **void** setUserId(**int** userId) {

**this**.userId = userId;

}

**public** String getUserName() {

**return** userName;

}

**public** **void** setUserName(String userName) {

**this**.userName = userName;

}

**public** String getUserCity() {

**return** userCity;

}

**public** **void** setUserCity(String userCity) {

**this**.userCity = userCity;

}

**public** User(**int** userId, String userName, String userCity) {

**super**();

**this**.userId = userId;

**this**.userName = userName;

**this**.userCity = userCity;

}

**public** User() {

**super**();

// **TODO** Auto-generated constructor stub

}

@Override

**public** String toString() {

**return** "User [userId=" + userId + ", userName=" + userName + ", userCity=" + userCity + "]";}}

**UserDao.java:**

**package** com.abc.dao;

**import** java.util.List;

**import** javax.transaction.Transactional;

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

**import** com.abc.entities.User;

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

**private** HibernateTemplate hibernateTemplate;

@Transactional

**public** **int** insert(User user) {

**int** res=(**int**) **this**.hibernateTemplate.save(user);

**return** res;

}

**public** User getUser(**int** userId) {

User user1=**this**.hibernateTemplate.get(User.**class**, userId);

**return** user1;

}

**public** List<User> getAllUser(){

List<User> us= **this**.hibernateTemplate.loadAll(User.**class**);

**return** us;

}

@Transactional

**public** **void** delete(**int** userId) {

User us=**this**.hibernateTemplate.get(User.**class**,userId);

**this**.hibernateTemplate.delete(us);

}

@Transactional

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

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

}

**public** HibernateTemplate getHibernateTemplate() {

**return** hibernateTemplate;

}

**public** **void** setHibernateTemplate(HibernateTemplate hibernateTemplate) {

**this**.hibernateTemplate = hibernateTemplate;

}

}

**HomeController.java:**

**package** com.abc.controller;

**import** java.util.Collection;

**import** java.util.List;

**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.RequestMapping;

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

**import** com.abc.dao.UserDao;

**import** com.abc.entities.User;

@Controller

**public** **class** HomeController {

@Autowired

UserDao dao;

@RequestMapping("/editform")

**public** String edit() {

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

**return** "editform";

}

@RequestMapping("/edit")

**public** String result(@RequestParam("userid") **int** id,@RequestParam("username") String uname,@RequestParam("usercity") String city, Model model) {

**try** {

User user= **new** User(id,uname,city);

dao.updateUser(user);

}**catch**(Exception e){

**return** "fail";

}

**return** "success";

}

@RequestMapping("/userdetails")

**public** String userdet() {

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

**return** "userdetails";

}

@RequestMapping("/showuser")

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

**try** {

User user;

user=dao.getUser(id);

model.addAttribute("id",user.getUserId());

model.addAttribute("name",user.getUserName());

model.addAttribute("city",user.getUserCity());

}**catch**(Exception e){

**return** "fail";

}

**return** "showuser";

}

@RequestMapping("/all")

**public** String all(Model m) {

User user;

List<User> userlist=dao.getAllUser();

m.addAttribute("userlist",userlist);

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

**return** "alluser";

}

@RequestMapping("/userinsertion")

**public** String userin() {

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

**return** "userinsertionform";

}

@RequestMapping("/newUser")

**public** String newUser(@RequestParam("userid") **int** id,@RequestParam("username") String uname,@RequestParam("usercity") String city, Model model) {

**try** {

User user= **new** User(id,uname,city);

dao.insert(user);

}**catch**(Exception e){

**return** "fail";

}

**return** "success";

}

//

// @RequestMapping("/edit")

// public String result(@RequestParam("userid") int id,@RequestParam("username") String uname,@RequestParam("usercity") String city, Model model) {

// try {

// User user= new User(id,uname,city);

// dao.updateUser(user);

//

// }catch(Exception e){

// return "fail";

//

// }

//

// return "success";

// }

}

**index.jsp:**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Index</title>

</head>

<body>

<h1>User Operation Home</h1> <br>

<a href=*"userinsertion"*>Insert New User </a><br>

<a href=*"editform"*>Edit User Details</a> <br>

<a href=*"userdetails"*>Search User by Id</a><br>

<a href=*"all"*>Complete User table</a><br>

</body>

</html>

**alluser.jsp:**

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

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

<%@ taglib uri=*"http://www.springframework.org/tags/form"* prefix=*"form"*%>

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

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>All User</title>

</head>

<body>

<h3>Complete User table</h3>

<table border=*"2"*>

<tr>

<th>Id</th>

<th>Name</th>

<th>City</th>

</tr>

<c:forEach var=*"user"* items=*"*${userlist}*"*>

<tr>

<td>${user.userId}</td>

<td>${user.userName}</td>

<td>${user.userCity}</td>

</tr>

</c:forEach>

</table>

</body>

</html>

**editform.jsp:**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Edit user details </title>

</head>

<body>

<h3> Edit user details</h3>

<form action=*"edit"* modelAttribute=*"user"*>

User Id <input type=*"number"* name=*"userid"* /><br>

User Name<input type=*"text"* name=*"username"*><br>

User City<input type=*"text"* name=*"usercity"*><br>

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

</form>

</body>

**fail.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Edit user details </title>

</head>

<body>

<h3> Edit user details</h3>

<form action=*"edit"* modelAttribute=*"user"*>

User Id <input type=*"number"* name=*"userid"* /><br>

User Name<input type=*"text"* name=*"username"*><br>

User City<input type=*"text"* name=*"usercity"*><br>

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

</form>

</body>

</html>

**showuser.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<%@page isELIgnored=*"false"* %>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Show user</title>

</head>

<body>

<table border=*"1"*>

<tr>

<th>Id</th>

<th>Name</th>

<th>City</th>

</tr>

<tr>

<td>${id}</td>

<td>${name}</td>

<td>${city}</td>

</tr>

</table>

</body>

</html>

**success.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Success</title>

</head>

<body>

<h1>Operation Successful</h1>

</body>

</html>

**userdetails.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Search User by Id</title>

</head>

<body>

<h3>Search User by Id</h3>

<form action=*"showuser"* >

<input type=*"number"* name=*"userid"*><br>

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

</form>

</body>

</html>

**userinsertionform.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Insert New User </title>

</head>

<body>

<h1>Enter new user details</h1>

<form action=*"newUser"* modelAttribute=*"user"*>

User Id <input type=*"number"* name=*"userid"* /><br>

User Name<input type=*"text"* name=*"username"*><br>

User City<input type=*"text"* name=*"usercity"*><br>

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

</form>

</body>

</html>