**Searching for a Specific User and Updating the User Information**

**Code:**

**Index.jsp:**

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<h2>User Management System</h2>

<br/>

<a href=*"storeUser.jsp"*>Add User</a>|

<a href=*"searchUser.jsp"*>Search User</a>|

</body>

</html>

**storeUser.jsp:**

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

${requestScope.msg}

<h2>Add User</h2>

<form action=*"storeUser"* method=*"post"*>

<label>Id</label>

<input type=*"number"* name=*"id"*><br/>

<label>Name</label>

<input type=*"text"* name=*"name"*><br/>

<label>Course</label>

<input type=*"text"* name=*"course"*><br/>

<label>Marks</label>

<input type=*"number"* name=*"marks"*><br/>

<input type=*"submit"* value=*"Add User"*/>

<input type=*"reset"* value=*"reset"*/>

</form>

<br/>

<a href=*"index.jsp"*>Back</a>

</body>

</html>

**searchUser.jsp:**

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<h2>Search User</h2>

<form action=*"searchUser"* method=*"get"*>

<label>Id</label>

<input type=*"number"* name=*"id"*><br/>

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

<input type=*"reset"* value=*"reset"*/>

</form>

<br/>

${requestScope.msg}

<br/>

<a href=*"index.jsp"*>Back</a>|

</body>

</html>

**updateUser.jsp:**

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

${requestScope.msg}

<h2>Update User</h2>

<form action=*"updateUser"* method=*"post"*>

<label>Id</label>

<input type=*"number"* name=*"id"*><br/>

<label>Name</label>

<input type=*"text"* name=*"name"*><br/>

<label>Course</label>

<input type=*"text"* name=*"course"*><br/>

<label>Marks</label>

<input type=*"number"* name=*"marks"*><br/>

<input type=*"submit"* value=*"Update User"*/>

<input type=*"reset"* value=*"reset"*/>

</form>

<br/>

<a href=*"index.jsp"*>Back</a>

</body>

</html>

**success.jsp:**

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<h2>Record updated successfully..!</h2>

<br/>

<a href=*"index.jsp"*>Back</a>

</body>

</html>

**failure.jsp:**

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<h2>record is not updated..!</h2>

<br/>

<a href=*"index.jsp"*>Back</a>

</body>

</html>

**notfound.jsp:**

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Insert title here</title>

</head>

<body>

<h2>The User details are not found..!Try Again..!</h2>

<br/>

<a href=*"index.jsp"*>Back</a>|

<a href=*"searchUser.jsp"*>search user</a>|

</body>

</html>

**web.xml:**

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

<web-app>

<display-name>UserDetails</display-name>

<welcome-file-list>

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

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

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

<welcome-file>default.html</welcome-file>

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

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>dispatcher</servlet-name>

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

</servlet>

<servlet-mapping>

<servlet-name>dispatcher</servlet-name>

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

</servlet-mapping>

</web-app>

**dispatcher-servlet.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:context=*"http://www.springframework.org/schema/context"*

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-4.0.xsd"*>

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

<bean class=*"org.springframework.jdbc.datasource.DriverManagerDataSource"* id=*"ds"* scope=*"singleton"*>

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

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

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

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

</bean>

<bean class=*"org.springframework.orm.hibernate5.LocalSessionFactoryBean"* id=*"sf"* scope=*"singleton"*>

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

<property name=*"annotatedClasses"*>

<list>

<value>com.bean.User</value>

</list>

</property>

<property name=*"hibernateProperties"*>

<props>

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

</props>

</property>

</bean>

</beans>

**User.java:**

package com.bean;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class User {

@Id

private int id;

private String name;

private String course;

private float marks;

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 getCourse() {

return course;

}

public void setCourse(String course) {

this.course = course;

}

public float getMarks() {

return marks;

}

public void setMarks(float marks) {

this.marks = marks;

}

@Override

public String toString() {

return "User [id=" + id + ", name=" + name + ", course=" + course + ", marks=" + marks + "]";

}

}

**UserController.java:**

**package** com.controller;

**import** java.util.List;

**import** javax.servlet.http.HttpServletRequest;

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

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

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

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

**import** org.springframework.web.servlet.ModelAndView;

**import** com.bean.User;

**import** com.service.UserService;

@Controller

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

@Autowired

UserService userService;

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

**public** ModelAndView storeUser(HttpServletRequest req, User user) {

**int** id = Integer.*parseInt*(req.getParameter("id"));

String name = req.getParameter("name");

**float** marks = Float.*parseFloat*(req.getParameter("marks"));

String course = req.getParameter("course");

user.setId(id);

user.setName(name);

user.setCourse(course);

user.setMarks(marks);

String result = userService.storeUser(user);

ModelAndView mav = **new** ModelAndView();

mav.addObject("msg", result);

mav.setViewName("storeUser.jsp");

**return** mav;

}

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

**public** ModelAndView updateUser(HttpServletRequest req, User user) {

**int** id = Integer.*parseInt*(req.getParameter("id"));

String name = req.getParameter("name");

**float** marks= Float.*parseFloat*(req.getParameter("marks"));

String course = req.getParameter("course");

user.setId(id);

user.setName(name);

user.setCourse(course);

user.setMarks(marks);

String result = userService.updateUser(user);

ModelAndView mav = **new** ModelAndView();

mav.addObject("msg", result);

//mav.setViewName("updateUser.jsp");

**if**(result.equals("success")) {

mav.setViewName("success.jsp");

}**else** {

mav.setViewName("failure.jsp");

}

**return** mav;

}

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

**public** ModelAndView searchUser(HttpServletRequest req) {

**int** id = Integer.*parseInt*(req.getParameter("id"));

String result = userService.searchUser(id);

ModelAndView mav = **new** ModelAndView();

**if**(result.equals("failure")) {

mav.setViewName("notfound.jsp");

}**else** {

mav.addObject("msg", result);

mav.setViewName("updateUser.jsp");

}

**return** mav;

}

}

**UserDao.java:**

package com.dao;

import java.util.List;

import javax.persistence.TypedQuery;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.cfg.Configuration;

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

import org.springframework.stereotype.Repository;

import com.bean.User;

@Repository

public class UserDao {

@Autowired

SessionFactory sf; // DI from spring configuration file with help of LocalSessionFactoryBean

public int storeUser(User user) {

try {

//Configuration con = new Configuration();

//con.configure("hibernate.cfg.xml");

//SessionFactory sf = con.buildSessionFactory();

Session session = sf.openSession();

Transaction tran = session.getTransaction();

tran.begin();

session.save(user);

tran.commit();

return 1;

} catch (Exception e) {

System.out.println(e);

return 0;

}

}

public int updateUser(User user) {

Session session = sf.openSession();

Transaction tran = session.getTransaction();

User p = session.get(User.class, user.getId());

if(p==null) {

return 0;

}else {

tran.begin();

p.setName(user.getName());

p.setCourse(user.getCourse());

p.setMarks(user.getMarks());

session.update(p);

tran.commit();

return 1;

}

}

public User searchUser(int id) {

Session session = sf.openSession();

User p = session.get(User.class, id);

return p;

}

}

**UserService.java:**

**package** com.service;

**import** java.util.List;

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

**import** org.springframework.stereotype.Service;

**import** com.bean.User;

**import** com.dao.UserDao;

@Service

**public** **class** UserService {

@Autowired

UserDao userDao;

**public** String storeUser(User user) {

**if**(userDao.storeUser(user)>0){

**return** "User details stored successfully";

}**else** {

**return** "User details didn't store";

}

}

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

**if**(userDao.updateUser(user)>0) {

**return** "success";

}**else** {

**return** "failure";

}

}

**public** String searchUser(**int** id) {

User p = userDao.searchUser(id);

**if**(p==**null**) {

**return** "failure";

}**else** {

**return** p.toString();

}

}

}