

## SEARCHING FOR A SPECIFIC USER AND UPDATING THE USER INFORMATION-SOURCE CODE

### 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.spring.project</groupId>
    <artifactId>SearchingforaSpecificUser</artifactId>
    <packaging>war</packaging>
    <version>0.0.1-SNAPSHOT</version>
    <name>SearchingforaSpecificUser 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>

        <!--spring context-->
        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-context</artifactId>
            <version>5.3.22</version>
        </dependency>

        <!--spring core-->
        <dependency>
            <groupId>org.springframework</groupId>
            <artifactId>spring-core</artifactId>
            <version>5.3.22</version>
        </dependency>
```

<!--Spring beans-->

```
<dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-beans</artifactId>
    <version>5.3.22</version>
</dependency>
```

<!--spring web-->

```
<dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-web</artifactId>
    <version>5.3.22</version>
</dependency>
```

<!--spring webmvc-->

```
<dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-webmvc</artifactId>
    <version>5.3.22</version>
</dependency>
```

<!--spring jdbc-->

```
<dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-jdbc</artifactId>
    <version>5.3.22</version>
</dependency>
```

<!--mysql connector-->

```
<dependency>
    <groupId>mysql</groupId>
    <artifactId>mysql-connector-java</artifactId>
    <version>8.0.30</version>
</dependency>
```

<!--java servlet jstl-->

```
<dependency>
  <groupId>javax.servlet</groupId>
  <artifactId>jstl</artifactId>
  <version>1.2</version>
</dependency>
```

```
<!--java servlet API-->
<dependency>
  <groupId>javax.servlet</groupId>
  <artifactId>javax.servlet-api</artifactId>
  <version>4.0.1</version>
  <scope>provided</scope>
</dependency>
```

```
</dependencies>
<build>
  <finalName>SearchingforaSpecificUser</finalName>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-war-plugin</artifactId>
      <version>3.3.1</version>
    </plugin>

    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>3.10.1</version>
    </plugin>
  </plugins>
</build></project>
```

## **2.user Entity.java:**

```
public class UsersEntity {

    private int userid;
    private String userName;
    private int phone;
```

```

public UsersEntity() {
    // TODO Auto-generated constructor stub
}

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 int getPhone() {
    return phone;
}

public void setPhone(int phone) {
    this.phone = phone;
}

@Override
public String toString() {
    return "UsersEntity [userid=" + userid + ", userName=" +
userName + ", phone=" + phone + "]";
}
}

```

### **3. UsersController.java:**

```

package com.spring.controller;

import java.io.IOException;
import java.io.PrintWriter;

```

```
import java.util.List;
```

```
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;
```

```
import org.springframework.beans.factory.annotation.Autowired;  
import org.springframework.stereotype.Controller;  
import org.springframework.ui.Model;  
import org.springframework.ui.ModelMap;  
import org.springframework.web.bind.annotation.GetMapping;  
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 com.spring.dao.UsersDao;  
import com.spring.users.UsersEntity;
```

```
@Controller
```

```
public class UsersController {
```

```
    @Autowired  
    UsersDao data;
```

```
    @GetMapping("/listUser")  
    public String getAllDeatials(ModelMap map) {  
        List<UsersEntity> list = data.getAllUsers();  
        map.addAttribute("list", list);  
        return "userslist";  
    }
```

```
    @GetMapping("/search")  
    public String getRequestDetails(ModelMap map, HttpServletRequest  
request) {  
        String id = request.getParameter("userid");  
        int user_id = Integer.parseInt(id);  
        UsersEntity users = data.getRequestUser(user_id);  
        if (user_id!=0) {  
            map.addAttribute("req", users);  
            return "searchdetails";  
        } else {  
            return "errorpage";  
        }  
    }
```

```

        }
    }

    @RequestMapping(value="/edit/{id}")
    public String edit(@PathVariable int id, Model map){
        UsersEntity user=data.getEmpById(id);
        map.addAttribute("command",user);

        System.out.println(user.getUserid()+user.getUserName()+user.getPhone());
        return "editform";
    }

    @RequestMapping(value="/editsave")
    public String editsave(@ModelAttribute("req") UsersEntity emp){

        System.out.println(emp.getUserid()+emp.getUserName()+emp.getPhone(
));
        if(emp.getUserid()!=0 &&
emp.getUserName()!=null&&emp.getPhone()!=0) {
            data.update(emp);
            return "searchdetails";
        }
        else {
            return "errorpage";
        }
    }
}

```

#### **4. UsersDao.java:**

```

package com.spring.dao;

import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.dao.DataAccessException;
import org.springframework.jdbc.core.BeanPropertyRowMapper;
import org.springframework.jdbc.core.JdbcTemplate;
import org.springframework.jdbc.core.ResultSetExtractor;
import org.springframework.jdbc.core.RowMapper;

```

```

import org.springframework.stereotype.Repository;

import com.spring.users.UsersEntity;

@Repository
public class UsersDao {

    @Autowired
    JdbcTemplate template;

    public List<UsersEntity> getAllUsers(){

        return template.query("select * from users", new
RowMapper<UsersEntity>() {

            @Override
            public UsersEntity mapRow(ResultSet result, int rowNum)
throws SQLException {
                // TODO Auto-generated method stub
                UsersEntity object = new UsersEntity();
                object.setUserid(result.getInt(1));
                object.setUserName(result.getString(2));
                object.setPhone(result.getInt(3));
                return object;
            }
        });
    }

    public UsersEntity getRequestedUser(int userid) {

        return template.query("select * from users where
User_id="+userid, new ResultSetExtractor<UsersEntity>() {

            @Override
            public UsersEntity extractData(ResultSet result) throws
SQLException, DataAccessException {
                // TODO Auto-generated method stub
                if(result.next()) {
                    UsersEntity object = new UsersEntity();
                    object.setUserid(result.getInt(1));
                    object.setUserName(result.getString(2));
                    object.setPhone(result.getInt(3));
                }
            }
        });
    }
}

```

```

        return object;
    }
    return null;
}
});
}

```

```

public UsersEntity getEmpById(int id){
    String sql="select * from users where User_Id=?";
    return template.queryForObject(sql, new Object[]{id},new
BeanPropertyRowMapper<UsersEntity>(UsersEntity.class));
}

```

```

public int update(UsersEntity p){
    String sql="update users set User_Name='"+p.getUserName()+"",
    Phone_Number='"+p.getPhone()+" where User_Id='"+p.getUserid()+"";
    return template.update(sql);
}
}

```

## 5.web.xml:

```

<web-app>
    <display-name>Archetype Created Web Application</display-name>

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

    <servlet-mapping>
        <servlet-name>test</servlet-name>
        <url-pattern>/</url-pattern>
    </servlet-mapping>

    <context-param>
        <param-name>contextConfigLocation</param-name>
        <param-value>/WEB-INF/test-servlet.xml</param-value>
    </context-param>

```



```

        <listener>
            <listener-
class>org.springframework.web.context.ContextLoaderListener</listener-
class>
        </listener>
</web-app>

```

## 6.test-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.xsd">

    <context:annotation-config></context:annotation-config>

    <!-- jsp output -->
    <context:component-scan
        base-package="com.spring.controller"></context:component-
scan>
    <bean id="jspViewResolver"

        class="org.springframework.web.servlet.view.InternalResourceViewReso
lver">
        <property name="suffix" value=".jsp"></property>
        <property name="prefix" value="/WEB-INF/view/"></property>
    </bean>

    <!-- database -->

    <bean id="dataSource"

        class="org.springframework.jdbc.datasource.DriverManagerDataSource
">
        <property name="driverClassName"
            value="com.mysql.cj.jdbc.Driver"></property>
        <property name="url"

```

```

        value="jdbc:mysql://localhost:3306/users"></property>
    <property name="username" value="root"></property>
    <property name="password" value="hell@235"></property>

</bean>

<bean id="jdbcTemplate"
    class="org.springframework.jdbc.core.JdbcTemplate">
    <property name="dataSource" ref="dataSource"></property>
</bean>

<bean id="dao" class="com.spring.dao.UsersDao"></bean>

```

```
</beans>
```

## 7.index.jsp:

```

<% @ taglib uri="http://www.springframework.org/tags/form"
prefix="form"%>
    <% @ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<html>
<head>
<meta charset="ISO-8859-1">
<title>User Id Search</title>
</head>
<style>
.frame{
position: absolute;
top: 35%;
left: 40%;
border: 3px solid black;
width: 14%;
border-radius: 20px;
padding-top: 10px;
padding-right: -10px;
padding-bottom: 10px;
padding-left: 40px;
}
</style>
<body>

```

```

<a href="listUser">List All Users</a>
<br>
<br>
<div class="frame">
<h2 align="center">User Id Search</h2>
<form action="search">
User ID : <input type="number" name="userid">
<br>
<br>
<input type="submit" value="Search">
</form>
</div>
</body>
</html>

```

### 8.editform.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>
    <html>
    <head>
    <meta charset="ISO-8859-1">
    <title>edit form</title>
    </head>
    <style>
    .frame{
    position: absolute;
    top: 35%;
    left: 40%;
    border: 3px solid black;
    width: 14%;
    border-radius: 20px;
    padding-top: 10px;
    padding-right: -10px;
    padding-bottom: 10px;
    padding-left: 40px;
    }

    </style>
    <body>

```

```

<div class="frame">
    <h1>Edit Employee</h1>
    <form:form method="POST"
action="/SearchingforaSpecificUser/editsave">
        <table >
            <tr>
                <td>User id</td>
                <td><form:input path="userid" /></td>
            </tr>
            <tr>
                <td>Name : </td>
                <td><form:input path="userName" /></td>
            </tr>
            <tr>
                <td>Mobile :</td>
                <td><form:input path="phone" /></td>
            </tr>
            <tr>
                <td> </td>
                <td><input type="submit" value="Save changes" /></td>
            </tr>
        </table>
    </form:form>
</div>
</body>
</html>

```

### 9.errorpage.jsp:

```

<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <% @ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h1 align="center">Data Invalid</h1>
</body>
</html>

```

## 10.searchdetails.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>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Requested Users</title>
</head>
<style>
.data-table{
position:absolute;
top:10%;
left:41%;
}

</style>
<body>

    <h1 align="center">Requested User</h1>

    <table class="data-table" border="1">
        <tr>
            <th>User Id</th>
            <th>User Name</th>
            <th>Mobile Number</th>
            <th>Edit</th>
        </tr>

        <tr>
            <td>${req.userid }</td>
            <td>${req.userName }</td>
            <td>${req.phone }</td>
            <td><a href="edit/${req.userid }">Edit</a></td>
        </tr>

    </table>

</body>
```

</html>

## 11.userslist.jsp:

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <% @taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Users List</title>
</head>
<style>
.data-table{
position:absolute;
top:10%;
left:42.5%;
}
</style>

<body>

<h1 align="center">Users List</h1>

<table class="data-table" border="1">
    <tr><th>User Id</th><th>User Name</th><th>Mobile
Number</th></tr>
    <c:forEach var="p" items="{list }">

        <tr>
            <td>${p.userid }</td>
            <td>${p.userName }</td>
            <td>${p.phone }</td>

        </tr>

    </c:forEach>

</table>
</body>
</html>
```