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Phase :-3

Searching for a Specific User and Updating the User Information.

DESCRIPTION

Project objective:

Create a Spring MVC web application that will retrieve users based on their user ID. The retrieved user data will then be edited in a form and updated in the database. The entire database processing has to be done using Hibernate. Front pages will be made in JSP.

Sourcecode:

UserManagerp2applications:

```
package com.example.demo;


import org.junit.jupiter.api.Test;
import org.springframework.boot.test.context.SpringBootTest;


@SpringBootTest
 Public class UserManagerp2ApplicationTests {
            Public static void main(String[] args){
SpringApplication.run(UserManagerp2application.class,args);
           }


}
```

Maincontroller.java:

```
Package com.example.UserManager.controllers;
import java.util. ArrayList;
@controller
 Public class MainController{
       @Autowired
        Private UserService userService;
       Logger logger  = LoggerFactory.getLogger(MainController.class);
       String currID   =  null;
```

```
            Public String  showIndexpage(ModelMap
model,@RequestParam(value=”name”,required=false,defaultValue=”world”)String name){
           model.addAttribute(“name”,name);
          return “index”;
}
Public Boolean isNumber(String s)
  {
            if(s == null)
                 return false;
                 userList.add(user);
                 Iterable<User> users = userList;
                 currID = id;
                  modelMap.put(“user”,users);
  }
 else
       return ”nouser”;
}
Catch(NumberFormatException e)
{
                   Return “nouser”;
}
Catch (Exception e)
{
              e.printstackTrace();
}
modelMap.put(“ID”,id);
return “update”;
}
@postMapping(“\update2”)
```

```
Public String updateDetails(@Requestparam(“nameid”)String
nameedit,@Requestparam(“emailedit”)String emailedit,@

ArrayList<user>userList = new ArrayList<>();

Try

{

            User u=userService.GetUserById(Integer.valueOf(currID));

           Userservice.setUser(u,nameedit,emailedit,passwordedit);

          userList.add(U);

         Iterable<user>users=userList;

         modelMap.put(“user”,users);

}

Catch(NumberFormatException e)

{

e.printstackTrace();

}

Catch(Exception e)

{

e.printstackTrace();

}

modelMap.put(“IDedit”,currID);

return “update2”;

}

}
```

Usercontroller.java:

```
package com.example.UserManager.controllers;
```

```
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.ModelMap;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.ResponseBody;

import com.example.UserManager.entities.User;
import com.example.UserManager.services.UserService;

import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

@Controller
public class UserController {

        @Autowired
        private UserService userService;

   Logger logger = LoggerFactory.getLogger(UserController.class);


        @GetMapping("/users")
```

```
        public String showUsers(ModelMap model) {



                logger.info("Getting all Users");

                Iterable<User> users = userService.GetAllUsers();


                logger.info("Passing users to view");

            model.addAttribute("users", users);


    return "users";

  }




}
```

UsercontrollerException.java:

```
package com.example.UserManager.controllers;


import org.springframework.http.HttpStatus;

import org.springframework.http.ResponseEntity;

import org.springframework.web.bind.annotation.ControllerAdvice;

import org.springframework.web.bind.annotation.ExceptionHandler;


import com.example.UserManager.exceptions.UserNotFoundException;
```

```
@ControllerAdvice
public class UserExceptionController {
        @ExceptionHandler(value = UserNotFoundException.class)
   public ResponseEntity<Object> exception(UserNotFoundException exception) {
     return new ResponseEntity<>("User not found", HttpStatus.NOT_FOUND);
   }

}
```

User.java:

```
package com.example.UserManager.controllers;

import org.springframework.http.HttpStatus;
import org.springframework.http.ResponseEntity;
import org.springframework.web.bind.annotation.ControllerAdvice;
import org.springframework.web.bind.annotation.ExceptionHandler;

import com.example.UserManager.exceptions.UserNotFoundException;

@ControllerAdvice
public class UserExceptionController {
        @ExceptionHandler(value = UserNotFoundException.class)
   public ResponseEntity<Object> exception(UserNotFoundException exception) {
     return new ResponseEntity<>("User not found", HttpStatus.NOT_FOUND);
   }
```

```
}
```

UserNotfoundException.java:

```
package com.example.UserManager.exceptions;


public class UserNotFoundException extends RuntimeException  {

	private static final long serialVersionUID = 1L;

}
```

UserRepository.java:

```
package com.example.UserManager.exceptions;


public class UserNotFoundException extends RuntimeException  {

	private static final long serialVersionUID = 1L;

}
```

UserService.java:

```
package com.example.UserManager.exceptions;


public class UserNotFoundException extends RuntimeException  {

	private static final long serialVersionUID = 1L;

}
```

User.jsp:

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

<!DOCTYPE html>
```

```
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<style>
table, th, td {
  border: 1px solid black;
            margin: auto;

}
                    .center {
                              text-align: center;
                              align-items:center;
                    }
</style>
</head>
<body>
          <div class="center">
                    <h2>Users</h2>

                    <table style="float:inherit">
                      <tr><th>ID</th><th>Name</th><th>Email</th><th>Password</th></tr>
```

```
                    <c:forEach items="${users}" var="user" varStatus="count">
                     <tr id="${count.index}">
                           <td>${user.id}</td>
                       <td>${user.name}</td>
                       <td>${user.email}</td>
                       <td>${user.password}</td>
                     </tr>
                    </c:forEach>
                   </table>

          </div>

</body>
</html>
```

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>
```

```
        <style>
                .center {
                        text-align: center;
                        align-items:center;

                }
                a{
                text-decoration:None;
                color:black;
                }


        </style>
</head>
<body>
        <div class="center">
                <h1>User Manager</h1>

                <h2 class="hello-title">Search for a User and Update Information</h2>


                <br><br>
                <form method="post" action="update">
```

```
                    Enter id : <input type="text" id="id" name="id" placeholder="Type here"
required>
                    <br>
                    <br>
                    <input type="submit" value="Submit" /> &amp;nbsp;&amp;nbsp;&amp;nbsp;
                    <button><a href="/users">View user table</a></button>
                </form>
            </div>




</body>
</html>
```

Error.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>
```

```
        <style>
                .center {
                        text-align: center;
                        align-items:center;

                }
                a{
                text-decoration:None;
                color:black;
                }


        </style>
</head>
<body>
        <div class="center">
                <h1>User Manager</h1>

                <h2 class="hello-title">Search for a User and Update Information</h2>


                <br><br>
                <form method="post" action="update">
```

```
                    Enter id : <input type="text" id="id" name="id" placeholder="Type here"
required>
                    <br>
                    <br>
                    <input type="submit" value="Submit" />    
                    <button><a href="/users">View user table</a></button>
                </form>
            </div>




</body>
</html>
```

Nouser.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>
```

```
        <style>
                .center {
                        text-align: center;
                        align-items:center;

                }
                a{
                text-decoration:None;
                color:black;
                }


        </style>
</head>
<body>
        <div class="center">
                <h1>User Manager</h1>

                <h2 class="hello-title">Search for a User and Update Information</h2>


                <br><br>
                <form method="post" action="update">
```

```
                    Enter id : <input type="text" id="id" name="id" placeholder="Type here"
required>
                    <br>
                    <br>
                    <input type="submit" value="Submit" />    
                    <button><a href="/users">View user table</a></button>
                </form>
            </div>




</body>
</html>
```

Update.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>

	<style>
	table, th, td {
	  border: 1px solid black;
		margin: auto;

	}
	.center {
		text-align: center;
		align-items:center;
	}
	</style>
</head>
<body >
	<div class="center">
		<h2>Update Table</h2>

		<p> User ID: ${ID}</p>
		<table style="float:inherit">
		  <tr><th>ID</th><th>Name</th><th>Email</th><th>Password</th></tr>
		  <c:forEach items="${user}" var="userE" varStatus="count">
```

```
                    <tr id="${count.index}">
                        <td>${userE.id}</td>
                    <td>${userE.name}</td>
                    <td>${userE.email}</td>
                    <td>${userE.password}</td>
                    </tr>
                        </c:forEach>
                </table>
                <br><br>
                <form method="post" action="update2">
                        <br><h3>Edit user: ${ID}</h3>
                        <input type="text" id="nameedit" name="nameedit" placeholder="Enter name here..." required>
                        <input type="text" id="emailedit" name="emailedit" placeholder="Enter Email here..." required>
                        <input type="text" id="passwordedit" name="passwordedit" placeholder="Enter Password here..." required>
                        <br>
                        <br>
                        <input type="submit" value="Enter" />
                </form>
        </div>


</body>
```

```
</html>
```

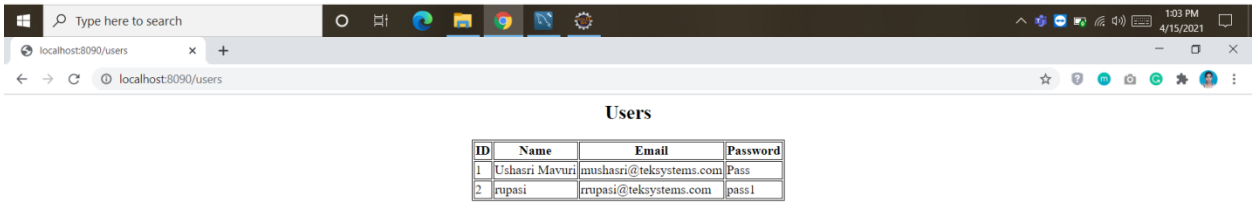
Update2.jsp:

```
<%@ 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>


        <style>
        table, th, td {
          border: 1px solid black;
          margin: auto;
        }
        .center {
                text-align: center;
                align-items:center;
        }
        a{
```

```
        text-decoration:None;
        color:black;}
        </style>
</head>
<body>
        <div class="center">
                <h2>Successfully Updated User</h2>

                <p> User ID: ${IDedit}</p>
                <div>
                        <table style="float:inherit">

<tr><th>ID</th><th>Name</th><th>Email</th><th>Password</th></tr>
                          <c:forEach items="${user}" var="userE" varStatus="count">
                           <tr id="${count.index}">
                                <td>${userE.id}</td>
                              <td>${userE.name}</td>
                              <td>${userE.email}</td>
                              <td>${userE.password}</td>
                           </tr>
                                </c:forEach>
                        </table>
                </div>
                <br><br>
```

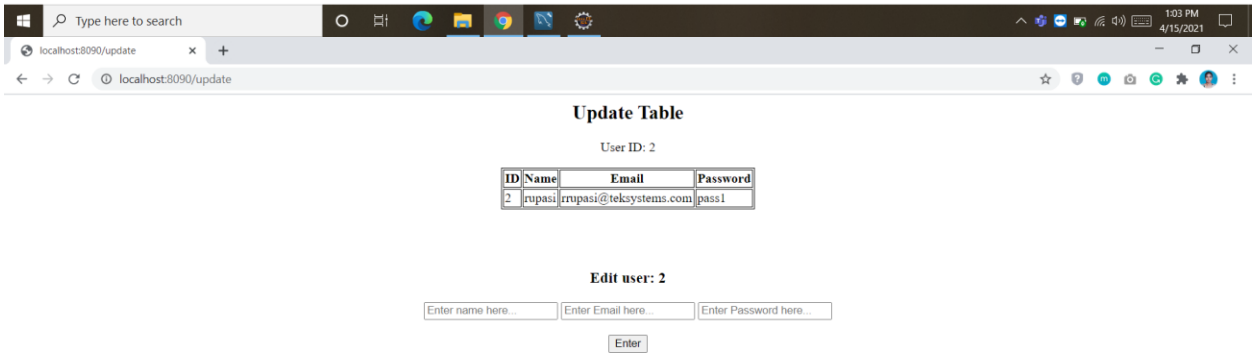
```
                <h3>Return to Homepage</h3>
                <div>
                <button><a href="/">Return</a></button>

                </div>
        </div>


</body>
</html>
```

Output:

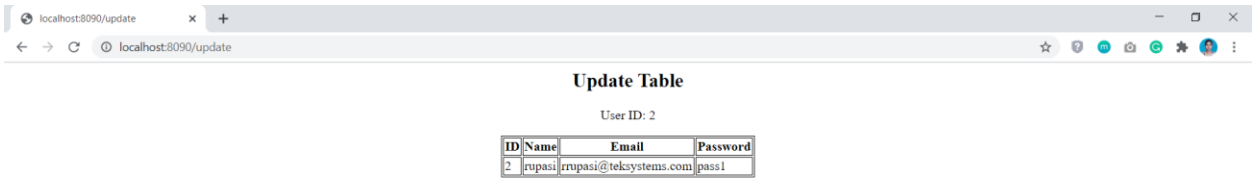


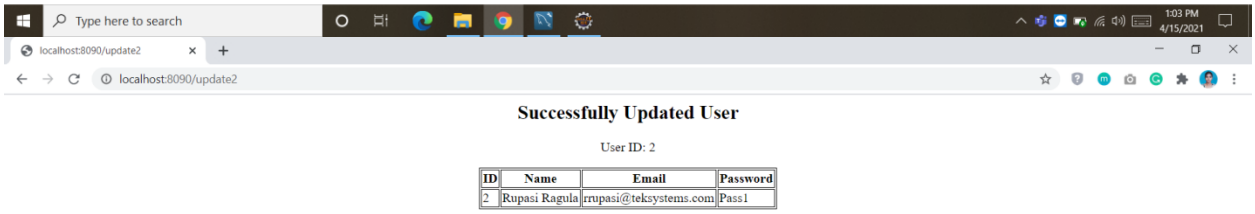
ID	Name	Email	Password
1	Ushasri Mavuri	mushasri@teksystems.com	Pass
2	rupasi	rrupasi@teksystems.com	pass1

localhost:8090
localhost:8090
User Manager
Search for a User and Update Information
Enter id : 2
Submit
View user table


Type here to search
1:03 PM
4/15/2021
localhost:8090/update
localhost:8090/update
Update Table
User ID: 2
ID
Name
Email
Password
2
rupasi
rrupasi@teksystems.com
pass1
Edit user: 2
Enter name here...
Enter Email here...
Enter Password here...
Enter

Type here to search
1:03 PM
4/15/2021


localhost:8090/update
localhost:8090/update
Update Table
User ID: 2
ID Name Email Password
2 rupasi rrupasi@teksystems.com pass1
Edit user: 2
Rupasi Ragula
rrupasi@teksystems.com
Pass1
Enter


Type here to search
1:03 PM
4/15/2021
localhost:8090/update2
localhost:8090/update2
Successfully Updated User
User ID: 2
ID Name Email Password
2 Rupasi Ragula rrupasi@teksystems.com Pass1
Return to Homepage
Return

Type here to search
1:03 PM
4/15/2021