

CSM3023 WEB BASED APPLICATION DEVELOPMENT (K1)

BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS

SEMESTER 2 2023/2024

LAB 7 – JSP: Perform Create, Update, Retrieve and Delete (CRUD)

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Task 1: Coding: User.java

```
package com.model;

private String userid;
private String insuname;

public class User {
    private String getUserid() {
        return userid;
    }

public string getUserid() {
        return userid;
    }

public string getFirstName() {
        return firstName;
}

public void setUserid(string userid) {
        this.userid = userid;
    }

public void setUserid(string insuname;
}

public void setFirstName() {
        return firstName;
}

public void setFirstName(string firstName) {
        this.firstName = firstName;
}

public void setFirstName() {
        return lastName;
}

public void setLastName(String lastName) {
        return lastName;
}

public void setLastName (String lastName) {
        return lastName;
}
}
```

DBConnection.java

UserDao.java

```
preparedStatement.setString(1, userId);
preparedStatement.executeUpdate();
}catch(SQLException e) {
    e.printStackTrace();
  "where userid=?");
// Farameters start with 1
preparedStatement.setString(1, user.getFirstName());
preparedStatement.setString(2, user.getLastName());
preparedStatement.setString(3, user.getUserid());
preparedStatement.setString(3, user.getUserid());
preparedStatement.setString(3, user.getUserid());
preparedStatement.setString(3, user.getUserid());
}-catch(SOLDxception e){
e.printStackTrace();
}
```

UserController.java

```
private static String INSERT = "/user.jsp";
private static String EDIT = "/editUser.jsp";
private static String LIST_USER = "/listUser.jsp";
private UserDao dao;
```

index.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
       <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
       <h1>Sample Perform CRUD Using Java Servlet!</h1>
       <jsp:forward page="/UserController?action=listUser" />
   </body>
```

listUser.jsp

```
c % page contentType="text/html" pageEncoding="UTF-8"%>
c % page that usi="http://java.sun.com/jsp/jstl/fem" prefix="c"%>
c % page that usi="http://java.sun.com/jsp/jstl/fem" prefix="fat"%>
c % page that the page that th
```

user.jsp

editUser.jsp

```
(Mpage content/pe="rest/html" pageEncoding="UT-d"%)
(Misqlb utl="html://swx.sm.com/jse/stl/core" prefix="d")
(Misqlb utl="html://swx.sm.com/jse/stl/core" prefix="d")
(Misqlb utl="html://swx.sm.com/jse/stl/core" prefix="fmt")
(Intal)
(html)
(h
```

Output:

New Record

 User ID :
 1005

 First Name :
 Imran

 Last Name :
 Al Franco

 Submit | Cancel |

User Lists

User Id	First Name	Last Name	Action	
1001	Aisyrul	Amri	Update Delete	
1002	Boxue	Chiang	Update Delete	
1003	Jennifer	Lawrence	Update Delete	
1004	Alexander	Bohemian	Update Delete	
1005	Imran	Al Franco	Update Delete	

Add User

Updating User Profile

User ID: 1005

First Name : Imran

Last Name : Al Attas

Last Ivalle . 747 mas

Submit

User Lists

User Id	First Name	Last Name	Action	
1001	Aisyrul	Amri	Update Delete	
1002	Boxue	Chiang	Update Delete	
1003	Jennifer	Lawrence	Update Delete	
1004	Alexander	Bohemian	Update Delete	
1005	Imran	Al Attas	Update Delete	

Add User

User Lists

User Id	First Name	Last Name	Action	
1001	Aisyrul	Amri	<u>Update</u>	<u>Delete</u>
1002	Boxue	Chiang	<u>Update</u>	<u>Delete</u>
1003	Jennifer	Lawrence	<u>Update</u>	<u>Delete</u>
1004	Alexander	Bohemian	<u>Update</u>	<u>Delete</u>

Add User

Exercise

Q1:profile.jsp

profileServlet.java

Output:

New Record

Username : feedByte

IC Number : 921102-11-9973

First Name : Firdaus Zayani

Register Cancel

Profile registered successfully!

	username	icno	firstname
٠	feedByte	921102-11-9973	Firdaus Zayani
	muke//99	030113-12-0864	Mukmin Akid
	zigmunk	031121-01-0865	Haziq
	zigmunk34	031121-01-0864	Haziq Kamil
	NULL	NULL	NULL

Q2:

```
<label for="studentid">Student ID:</label>
<input type="submit" value="Submit">
```

Output:

Student Registration

Student ID: S63874		
Name:	Ackermann	
Submi	t	

Confirm Registration

Student ID: S63874

Name: Ackermann

Proceed

Registration Notification

Registration successful for Student ID: S63874 and Name: Ackermann

Github link:

 $\frac{\text{https://github.com/ziqmunk/CSM3023/tree/dc28f69e1ac9b42c7561dddf6426f5b1c66b7ff1/S67978}}{\text{Lab7/CRUDServlet}}$