

## CSM3023 WEB BASED APPLICATION DEVELOPMENT (K1)

# BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS

**SEMESTER II 2023/2024** 

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

**Prepared for:** 

DR. MOHAMAD NOR HASSAN

Prepared by:

MOHAMAD HARIS ZAKUWAN BIN MOHD FAIZAL (S65720)

### Task 1 User.java

```
* @author USER
  public String getUserid() {
   public String getFirstName() {
   public String getLastName() {
```

DBConnection.java

```
package com.util;
  private static String myURL = "jdbc:mysql://localhost:3306/csm3023_lab7";
              e.printStackTrace();
       }catch(SQLException e) {
          e.printStackTrace();
```

UserDAO.java

```
preparedStatement.setString(1, user.getUserid());
preparedStatement.setString(2, user.getFirstName());
preparedStatement.setString(3, user.getLastName());
preparedStatement.executeUpdate();
 e.printStackTrace();
 while (rs.mext())(
   User user = new User();
   user.setUserid(rs.getString("userid"));
   user.setUserid(rs.getString("firstname"));
   user.setLastName(rs.getString("lastname"));
  .prepareStatement("select * from users wl
preparedStatement.setString(1, userId);
ResultSet rs = preparedStatement.executeQuery();
              user.setFirstName(rs.getString("firstname"));
user.setLastName(rs.getString("lastname"));
```

UserController.java

```
package com.controller;
import java.io.PrintWriter;
import java.text.ParseException;
   private static String INSERT = "/user.jsp";
    private static String EDIT = "/editUser.jsp";
    private static String LIST_USER = "/listUser.jsp";
    private UserDao dao;
```

```
String userId = request.getParameter("userId");
   String action = request.getParameter("action");
        dao.addUser(user);
public String getServletInfo() {
```

Index.jsp

### listUser.jsp

#### User.jsp

### editUser.jsp

```
CMBpuge contentType="test/html" pageIncoting="UTF-d=0"
CMS-disput but="ntm1/firex.mum.com/jsp/jssi/cms" prefix="cmt"
CMS-deads but="ntm1/firex.mum.com/jsp/jssi/cms" prefix="cmt"
CMS-deads
CMS
```

### 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	<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>
1005	Imran	Al Franco	<u>Update</u>	<u>Delete</u>

### Add User

Updating User Profile

User ID: 1005
First Name: Imran
Last Name: Al Attas
Submit

## **User Lists**

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

## Add User

## **User Lists**

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

Add User

#### Exercise

Profile.jsp

profileServlet.java

```
rt java.io.IOException;
rt java.io.PrintWriter;
rt java.sql.Connection;
rt java.sql.DriverManager;
rt java.sql.PreparedStatement;
rt java.sql.SOLException;
rt java.sql.SOLException;
rt java.sqrvlet.servletException;
rt java.sqrvlet.annotation.WebServlet;
oott jakarta.servlet.annotation.WebServlet;
joort jakarta.servlet.http.HttpServlet;
joort jakarta.servlet.http.HttpServletRequest;
joort jakarta.servlet.http.HttpServletResponse
                 } catch (SOLException | ClassNotFoundException e) {
  out.println("<n!>Error: " + e.getMessage() + "</h!>");
  e.printStackTrace();
} finally {
                              try {
   if (stmt != null) stmt.close();
   if (conn != null) conn.close();
} catch (SQLException e) {
   e.printStackTrace();
```

## 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
	ziqmunk34	031121-01-0864	Haziq Kamil
	HULL	NULL	NULL

2.

studentRegister.jsp

confirmRegister.jsp

```
Cyncument : confirmRegister
Created on : 1 Jun 2024, 12:12:47 pm
Author : USER

--%

(%8 page language="java" contentType="text/html; charset=UTF-8" pageEncoding="UTF-8"%>

(%8 page session="true" %>

(1000TYPE html>

(html>

(html>

(html>

(html>

(head)
Chead>
Contact charset="UTF-8">
(title>Confirm Registration</title>
(head>
(hiconfirm Registration</title>
(hiconfirm Registration</tile>
(hiconfirm Registration
//intention
(hiconfirm Registration
(hi
```

notificationRegister.jsp

# **Student Registration**

Student	ID: S63874		
Name:	Ackermann		
Submit			

# **Confirm Registration**

Student ID: S63874

Name: Ackermann

Proceed

# **Registration Notification**

Registration successful for Student ID: S63874 and Name: Ackermann