

## **CSM3023 WEB BASED APPLICATION DEVELOPMENT (K1)**

# BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS

**SEMESTER II 2023/2024** 

LAB 8 – An MVC Example with Servlets and JSP

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#### Coding:

Employee.java

```
public Employee(int id, String name, String email, String position) {
   this.id = id;
   this.name = name;
   this.email = email;
   this.position = position;
```

EmployeeDAO.java

```
Connection connection = null;

private String jdbcUsername = "root";

private String jdbcDassword = "admin";
      protected Connection getConnection() {
    Connection connection = null;
             System.out.println("Database connected!");
}catch(SQLException e){
    e.printStackTrace();
}catch(ClassNotFoundException e){
    e.printStackTrace();
PreparedStatement preparedStatement = connection.prepareStatement(SELECT_EMPLOYEE_BY_ID);)(
preparedStatement.setInt(1, id);
System.out.printlatement.
             System.out.println(preparedStatement);
ResultSet rs = preparedStatement.executeQuery();
public List < Employee > selectAllEmployees() {
   List < Employee > employees = new ArrayList < > ();
   try (Connection connection = getConnection();
               System.out.println(preparedStatement);
ResultSet rs = preparedStatement.executeQuery();
```

```
while(rs.rose()){
    int id = s.qetInt('id');
    String name = s.qetInt('id');
    String name = s.qetInt('id');
    String position = r.qetInt(ng'smail);
    String position = r.qetInt(ng'smail);
    String position = s.qetInt(ng'smail);
    subject = string = s.qetInt(ng'smail);
    public boolean deletemployee(int id) throws SotException(
    boolean confidence);
    return employees;
}

Debits boolean deletemployee(int id) throws SotException(
    boolean confidence);
    statement.setInt(i, id);
    rowNolated = statement.setInt(string IntSotEst_SotEst)();
    statement.setInt(i, id);
    rowNolated = statement.setOutsOpdate() > 0;
}

public boolean updateEmployee(Imployee employee) throws SotException(
    boolean rowOpdated;

public boolean updateEmployee(Imployee employee) throws SotException(
    boolean rowOpdated;

public boolean updateEmployee(Imployee employee) throws SotException()
    satement.setInt(id); employee.getInt(id);
    satement.setInt(id); employee.getInt(id);
    satement.setInt(id); employee.getInt(id);
    satement.setInt(id); employee.getInt(id);
    satement.setInt(id); employee.getInt(id);
    satement.setInt(id); employee.getInt(id);

    satement.setInt(id); employee.getInt(id);

    satement.setInt(id); employee.getInt(id);
    satement.setInt(id); employee.getInt(id);
    satement.setInt(id); employee.getInt(id);
    system.set.print(id(id); employee.getInt(id);
    system.set.print(id);
    satement.set.getInt(id);
    system.set.print(id);
    satemployee.getInt(id);
    satemployee.getInt(id);
    satemployee.getInt(id);
    satemployee.getInt(id);
    satemployee.getInt(id
```

#### EmployeeServlet.java

```
import com.DAO.EmployeeDAO:
import com.NAO.Employee;
import java.io.DException;
import java.io.Exception;
import java.io.Exception;
import java.io.Exception;
import java.io.Exception;
import java.io.Exception;
import java.io.SOLException;
import java.io.DoLException;
import java.io.SOLException;
import java.io.DoLException;
import java.io.D
```

EmployeeList.jsp

```
| Description |
```

Index.jsp

Error.jsp

#### Output:

## **Application MVC system for Employee Management**

Add a New Employee

List of Employees

List of Employees

List of Employees

List of Employees

Address

Description of Employees

List of Employees

Address

List of Employees

Address

List of Employees

Address

List of Employees

List of Employees

Address

List of Employees

List of Employees

Address

List of Employees

List of Employees

Address

Address

List of Employees

List of Employees

Address

## Exercise

Car.java

CarDAO.java

CarServlet.java

CarForm.jsp

CarList.jsp

```
| Design | D
```

Index.jsp

Error.jsp

```
Document : error
Created on : 6 Jun 2024, 12:47:29 am
Author : UBEN

--%

CMSpage contentType="text/html" pageEncoding="UTF-8" isErrorPage="true" %>

CMSpage contentType="text/html; charset="UTF-8" >

CMSpage conte
```

### Output:

## Car Shop Management System - Encik Ayah Used Car

- All Car List
- Add a New Co

#### List of Cars



