

### CSM3023 WEB BASED APPLICATION DEVELOPMENT (K1)

# BACHELOR OF COMPUTER SCIENCE (MOBILE COMPUTING) WITH HONORS

**SEMESTER 2 2023/2024** 

LAB 8 – An MVC Example with Servlets and JSP

Prepared by:

LUTFIL HAZIQ BIN ADNAN(S67911)

### Coding:

### Employee.java

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public Employee() ()

public Employee(String name, String email, String position) (

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### EmployeeDAO.java

EmployeeServlet.java

## EmployeeForm.jsp

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# EmployeeList.jsp

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Index.jsp

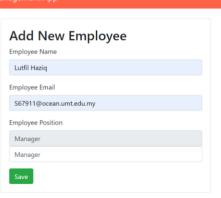
Error.jsp

#### Output:

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

- All Employee List
- Add a New EmployeeEdit Employee

Employee Management App



Employee Management App

#### **List of Employees**

Add New Employee				
ID	Name	Email	Position	Actions
1	Lutfil Haziq	S67911@ocean.umt.edu.my	Manager	Edit Delete
2	Ahmad Salam	salam@gmail.com	Head of Dept	Edit Delete

Exercise

Coding:

Car.java

CarDAO.java

```
public boclean undateCar(Car car) throws SQLException(
    boolean rowOpdated;
    try(Connection bouncetion = getConnection(); PreparedStatement statement
    connection.preparedStatement(UPDATE_CARE_SQL);){
    statement.secString(1, car.getDand(0);
    statement.secString(2, car.getCylinder(0);
    statement.secString(2, car.getCylinder(0);
    statement.secString(2, car.getCylinder(0);
    statement.secDuble(4, car.getCylinder(0);
    statement.secStrine(2, car.getCylinder(0);
}
```

CarServlet.java

```
verride
otected void doGet(HutpServletRequest request, HutpServletResponse response)
    throws ServletException, JOException {
    String action = request.getServletPath();
       vate void updateCar(HttpServletRequest request, HttpServletResponse response)
    throws SQLException, IQException(
int is = Integer.parseInt(request.getParameter("car_id"));
String brand = request.getParameter("brand");
String model = request.getParameter("brand");
int cylinder = Integer.parseInt(request.getParameter("cylindes"));
double price = Double.parseDouble(request.getParameter("price"));
Car Gar = new Car (brand, model, cylinder, price);
cartDAL.updateCar (Gar);
response.sendRedirect("listcar");
```

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# CarList.jsp

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#### Index.jsp

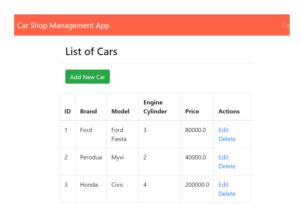
#### Error.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8" isErrorPage="true" %>
<!DOCTYPE html>
```

#### Output:

### Car Shop Management System - Lupi **Used Car**

- All Car ListAdd a New CarEdit Car



# Add New Car Car Brand Civic Engine Cylinder 4 Car Price 200000.00