

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

Prepared for:

DR. MOHAMAD NOR HASSAN

Prepared by:

MOHAMAD HARIS ZAKUWAN BIN MOHD FAIZAL (S65720)

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;
public void setName(String name) {
    this.name = name;
```

EmployeeDAO.java

```
public class EmployeeDAO {
      Connection connection = null;

private String jdbcURE = "jdbc:mysql://localhost:3306/company";

private String jdbcUsername = "root";

private String jdbcFassword = "admin";
               protected Connection getConnection() {
    Connection connection = null;
                         } catch (SQLException e) {
    e.printStackTrace();
                         } catch (ClassNotFoundException e) {
    e.printStackTrace();
      public void insertEmployee(Employee employee) throws SQLException{
    System.out.println(INSERT_EMPLOYEES_SQL);
    try(Connection connection = getConnection(); PreparedStatement preparedStatement = connection.prepareStatement(INSERT_EMPLOYEES_SQL)){
                         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();
```

EmployeeServlet.java

```
import com.DAO.EmployeeDAO;
import com.Model.Employee;
import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.RequestDispatcher;
import jakarta.servlet.ServletException;
import jakarta.servlet.Amortation.WebBervlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletRequest;
import java.sql.SOLEXception;

* @ author Lenevo
*/

* @ Buthor Lenevo
*/

* # Processes requests for both HTTP <code>GET</code> and <code>FOST</code>

* # @ param request gervlet request

* @ param request gervlet request

* @ param request gervlet response

* @ throws ServletException if a servlet-specific error occurs

* # throws ServletException if an I/O error occurs

* //

private EmployeeDAO employeeDAO;

@ Override
public void init() {
    employeeDAO = new EmployeeDAO();
}

# HttpServlet methods. Click on the + sign on the left to edit the code.
```

EmployeeForm.jsp

EmployeeList.jsp

```
| Description |
```

Index.jsp

Error.jsp

Output:

Supervisor Save

Application MVC system for Employee Management

Add a New Employee

Edit Employee

List of Employee

Affice

Description

Description

List of Employee

Affice

St7978 Consecute Advancy

Affice

Affice

Affice

Affice

List of Employee

Affice

List of Employee

Affice

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Exercise Car.java

```
principal data Carl |
```

CarDAO.java

CarServlet.java

CarForm.jsp

CarList.jsp

```
Security 1 (Security 1) (Securi
```

Index.jsp

Error.jsp

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

--%

(**Bpage contentType="text/html" pageEncoding="UTF-6" isErrorPage="true" *>
(IDOCTTEE html)
(Athal)
```

Output:

Car Shop Management System - Encik Ayah Used Car

- All Car List
- Add a New C

List of Cars



