Java Web Technology Assignment

Employee Management System using Jsp , Servelt and database.

Code :

Database Creation:

```
CREATE DATABASE employee_db;

USE employee_db;

CREATE TABLE employee (

    empid INT PRIMARY KEY AUTO_INCREMENT,

    first_name VARCHAR(50),

    last_name VARCHAR(50),

    email VARCHAR(100),

    mobile VARCHAR(15),

    address TEXT,

    gender VARCHAR(10),

    password VARCHAR(30)

);
```

index.jsp file :

```
<!DOCTYPE html>

<html>

<head>

    <title>Employee Management</title>

    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
```

```
</head>
<body class="container mt-5">
  <h2 class="text-center">Employee Management System</h2>
  <div class="text-center mt-4">
    <a href="addEmployee.jsp" class="btn btn-primary">Add Employee</a>
    <a href="ViewEmployeeServlet" class="btn btn-success">View
Employees</a>
  </div>
</body>
</html>
```

addEmployee.jsp file :

```
<%@ page language="java" %>
<!DOCTYPE html>
<html>
<head>
  <title>Add Employee</title>
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
</head>
<body class="container mt-4">
  <h3>Add Employee</h3>
  <form action="AddEmployeeServlet" method="post">
    <input type="text" name="firstName" placeholder="First Name"
class="form-control mb-2" required>
    <input type="text" name="lastName" placeholder="Last Name"
class="form-control mb-2" required>
```

```html
<input type="email" name="email" placeholder="Email" class="form-control mb-2" required>

<input type="text" name="mobile" placeholder="Mobile" class="form-control mb-2" required>

<textarea name="address" class="form-control mb-2" placeholder="Address"></textarea>

Gender: <br>

<input type="radio" name="gender" value="Male" required> Male

<input type="radio" name="gender" value="Female" required> Female <br><br>

<input type="password" name="password" placeholder="Password" class="form-control mb-2" required>

<input type="password" name="confirmPassword" placeholder="Confirm Password" class="form-control mb-2" required>

<button type="submit" class="btn btn-success">Submit</button>

</form>

</body>

</html>
```

AddEmployeeServlet.java Servlet file :

```java
@WebServlet("/AddEmployeeServlet")

public class AddEmployeeServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {


    String fname = request.getParameter("firstName");

    String lname = request.getParameter("lastName");
```

```java
        String email = request.getParameter("email");

        String mobile = request.getParameter("mobile");

        String address = request.getParameter("address");

        String gender = request.getParameter("gender");

        String password = request.getParameter("password");

    Employee emp = new Employee(fname, lname, email, mobile, address,
gender, password);

        EmployeeDAO.save(emp);


        response.sendRedirect("index.jsp");

    }
}
```

ViewEmployeeServlet.java Servlet file :

```java
@WebServlet("/ViewEmployeeServlet")

public class ViewEmployeeServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse
response)

        throws ServletException, IOException {

    List<Employee> list = EmployeeDAO.getAllEmployees();

    request.setAttribute("employeeList", list);

    RequestDispatcher dispatcher =
request.getRequestDispatcher("viewEmployee.jsp");

    dispatcher.forward(request, response);

    }
}
```

viewEmployee.jsp file :

```jsp
<%@ page import="java.util.*, model.Employee" %>

<table class="table table-bordered">

    <tr>

        <th>EMPID</th><th>First Name</th><th>Last Name</th><th>Email</th><th>Mobile</th><th>Edit</th><th>Delete</th>

    </tr>

    <c:forEach var="emp" items="${employeeList}">

        <tr>


<td>${emp.empid}</td><td>${emp.firstName}</td><td>${emp.lastName}</td>

            <td>${emp.email}</td><td>${emp.mobile}</td>

            <td><a href='EditEmployeeServlet?id=${emp.empid}'>Edit</a></td>

            <td><a href='DeleteEmployeeServlet?id=${emp.empid}' onclick="return confirm('Are you sure?')">Delete</a></td>

        </tr>

    </c:forEach>

</table>
```