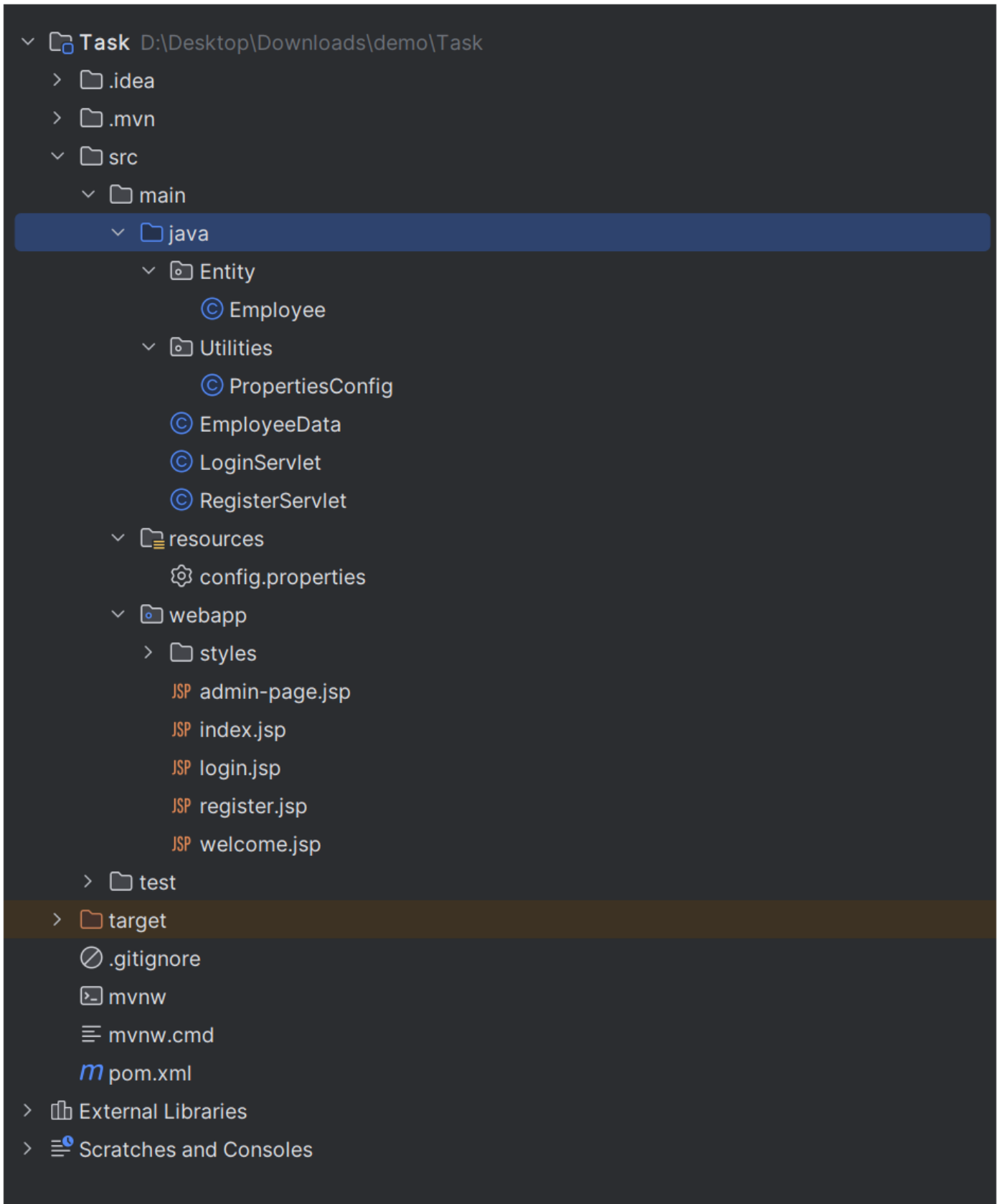


# Task – Employee App

## Structure of code



## Employee.java

```
Employee.java x
1  package Entity;
2
3  import jakarta.persistence.Entity;
4  import jakarta.persistence.Id;
5  import jakarta.persistence.Table;
6  import lombok.AllArgsConstructor;
7  import lombok.Getter;
8  import lombok.NoArgsConstructor;
9  import lombok.Setter;
10
11  @Getter 13 usages
12  @Setter
13  @Entity
14  @AllArgsConstructor
15  @NoArgsConstructor
16  @Table(name = "employeedata")
17  public class Employee {
18      private String name;
19      private String dob;
20      private String gender;
21      private String address;
22      private String city;
23      private String state;
24      @Id
25      private String login_id;
26      private String password;
27
28  }
29
```

## PropertiesConfig.java

© PropertiesConfig.java ×

```
1  package Utilities;
2  import java.io.FileInputStream;
3  import java.io.IOException;
4  import java.sql.Connection;
5  import java.sql.DriverManager;
6  import java.sql.SQLException;
7  import java.util.Properties;
8
9
10 public class PropertiesConfig { 9 usages
11     public Connection getConnection() throws IOException, SQLException { 3 usages
12         Properties prop = new Properties();
13         FileInputStream fileInputStream = new FileInputStream
14             (name: "D:/Desktop/Downloads/demo/Task/src/main/resources/config.properties");
15         prop.load(fileInputStream);
16         String url = prop.getProperty("url");
17         String user = prop.getProperty("user");
18         String pass = prop.getProperty("pass");
19         return DriverManager.getConnection(url, user, pass);
20     }
21 }
```

## EmployeeData.java

EmployeeData.java x

```
1  import Entity.Employee;
2  import Utilities.PropertiesConfig;
3  import java.io.IOException;
4  import java.sql.*;
5  import java.util.ArrayList;
6  import java.util.List;
7
8  ⚡
9  public class EmployeeData { 2 usages
10     public List<Employee> fetchEmployeeData() throws SQLException, IOException { 1 usage
11         PropertiesConfig config = new PropertiesConfig();
12         Connection conn = config.getConnection();
13         Statement statement = conn.createStatement();
14         ResultSet resultSet = statement.executeQuery( sql: "select * from employeeedata");
15         List<Employee> employeeList = new ArrayList<>();
16         while (resultSet.next()) {
17             String name = resultSet.getString( columnLabel: "name");
18             String dob = resultSet.getString( columnLabel: "dob");
19             String gender = resultSet.getString( columnLabel: "gender");
20             String address = resultSet.getString( columnLabel: "address");
21             String city = resultSet.getString( columnLabel: "city");
22             String state = resultSet.getString( columnLabel: "state");
23             String login_id = resultSet.getString( columnLabel: "login_id");
24             String password = resultSet.getString( columnLabel: "password");
25             Employee employee = new Employee(name, dob, gender, address, city, state, login_id, password);
26             employeeList.add(employee);
27         }
28         return employeeList;
29     }
30 }
31
```

## LoginServlet.java

```
© LoginServlet.java ×
8  import java.io.IOException;
9  import java.io.PrintWriter;
10 import java.sql.*;
11 import java.util.List;
12
13 @WebServlet("/Login")
14 public class LoginServlet extends HttpServlet {
15     @@@ public void doGet(HttpServletRequest request, HttpServletResponse response) throws
        IOException { 5 usages
16         response.setContentType("text/html");
17         PrintWriter pw = response.getWriter();
18
19         String login_id = request.getParameter(name: "login_id");
20         String password = request.getParameter(name: "password");
21
22         if (login_id.equalsIgnoreCase(anotherString: "admin") && password.equals("admin")) {
23             EmployeeData ed = new EmployeeData();
24             try {
25                 List<Employee> employeeList = ed.fetchEmployeeData();
26                 HttpSession session = request.getSession();
27                 session.setAttribute(name: "employeeList", employeeList);
28                 session.setAttribute(name: "login_id", login_id);
29                 request.getRequestDispatcher(path: "admin-page.jsp").include(request, response);
30             } catch (Exception e) {
31                 pw.write(s: "<h1>Error: " + e.getMessage() + "</h1>");
32             }
33         }
34
35         else {
36             try {
37                 PropertiesConfig config = new PropertiesConfig();
38                 Connection conn = config.getConnection();
39                 String Sqlquery = "SELECT name, password FROM employeeData WHERE login_id = ?";
40                 PreparedStatement statement = conn.prepareStatement(Sqlquery);
41                 statement.setString(parameterIndex: 1, login_id.toLowerCase());
42                 ResultSet resultSet = statement.executeQuery();
43             }
44         }
45     }
46 }
```

© LoginServlet.java x

```
43
44         if (resultSet.next()) {
45             String storedPassword = resultSet.getString( columnLabel: "password");
46             String name = resultSet.getString( columnLabel: "name");
47             if (password.equals(storedPassword)) {
48                 request.setAttribute( name: "name", name);
49                 request.getRequestDispatcher( path: "welcome.jsp").include(request, response);
50             }
51             else {
52                 request.setAttribute( name: "alert", o: "Wrong password");
53                 request.getRequestDispatcher( path: "login.jsp").include(request, response);
54             }
55         }
56
57         else {
58             request.setAttribute( name: "alert", o: "user not found register below") ;
59             request.getRequestDispatcher( path: "login.jsp").include(request, response);
60         }
61         conn.close();
62
63     } catch (Exception e) {
64         pw.write( s: "<h1>" + e.getLocalizedMessage() + "</h1>");
65     }
66 }
67
68
69 @
public void doPost(HttpServletRequest request, HttpServletResponse response) throws IOException
{ 1 usage
    doGet(request, response);
}
72 }
```

# RegisterServlet.java

```
RegisterServlet.java x
1  import Utilities.PropertiesConfig;
2  import jakarta.servlet.RequestDispatcher;
3  import jakarta.servlet.annotation.WebServlet;
4  import jakarta.servlet.http.HttpServlet;
5  import jakarta.servlet.http.HttpServletRequest;
6  import jakarta.servlet.http.HttpServletResponse;
7  import java.io.IOException;
8  import java.io.PrintWriter;
9  import java.sql.*;
10
11  @WebServlet("/register")
12  public class RegisterServlet extends HttpServlet {
13  @ doGet(HttpServletRequest request, HttpServletResponse response) throws IOException
14  { 5 usages
15      response.setContentType("text/html");
16      PrintWriter pw = response.getWriter();
17      String name = request.getParameter( name: "name");
18      String dob = request.getParameter( name: "dob");
19      String gender = request.getParameter( name: "gender");
20      String address = request.getParameter( name: "address");
21      String city = request.getParameter( name: "city");
22      String state = request.getParameter( name: "state");
23      String loginId = request.getParameter( name: "login_id");
24      String password = request.getParameter( name: "password");
25
26      try {
27          PropertiesConfig config = new PropertiesConfig();
28          Connection conn = config.getConnection();
29          String EmployeeDataQuery = "INSERT INTO employeeData(name, dob, gender, address, city, state,
30                                  login_id, password) VALUES (?, ?, ?, ?, ?, ?, ?, ?)";
31          PreparedStatement preparedStatement = conn.prepareStatement(EmployeeDataQuery);
32          preparedStatement.setString( parameterIndex: 1, name);
33          preparedStatement.setString( parameterIndex: 2, dob);
34          preparedStatement.setString( parameterIndex: 3, gender);
35          preparedStatement.setString( parameterIndex: 4, address);
36          preparedStatement.setString( parameterIndex: 5, city);
37          preparedStatement.setString( parameterIndex: 6, state);
38          preparedStatement.setString( parameterIndex: 7, loginId);
39          preparedStatement.setString( parameterIndex: 8, password);
40          int RowsAffected = preparedStatement.executeUpdate();
41
42          if (RowsAffected > 0) {
43              RequestDispatcher rd = request.getRequestDispatcher( path: "login.jsp");
44              rd.forward(request, response);
45          }
46
47          catch (Exception e) {
48              request.setAttribute( name: "error", e.getLocalizedMessage());
49              request.getRequestDispatcher( path: "register.jsp");
50          }
51
52      }
53
54      public void doPost(HttpServletRequest request, HttpServletResponse response) throws IOException
55      { 1 usage
56          doGet(request, response);
57      }
58  }
```

## config.properties

```
config.properties ×  
1  
2 url = jdbc:mysql://localhost:3306/task  
3 user = root  
4 pass = root
```

## index.jsp

```
JSP index.jsp ×  
1 <%@ page contentType="text/html; charset=UTF-8" language="java" %>  
2 <!DOCTYPE html>  
3 <html lang="en">  
4 <head>  
5     <meta charset="UTF-8">  
6     <meta name="viewport" content="width=device-width, initial-scale=1.0">  
7     <title>Default Page</title>  
8     <link rel="stylesheet" href="styles/index-style.css">  
9 </head>  
10 <body>  
11 <h1>Welcome to Our Page</h1>  
12 <div class="buttons">  
13     <a href="index.jsp">Home</a>  
14     <a href="login.jsp">Login</a>  
15     <a href="register.jsp">Register</a>  
16 </div>  
17 </body>  
18 </html>  
19
```



## login.jsp

JSP login.jsp

```
1  <%@ page contentType="text/html; charset=UTF-8" language="java" %>
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Login Page</title>
8      <link rel="stylesheet" href="styles/login-style.css">
9  </head>
10 <body>
11 <h1>Login</h1>
12 <div class="form-container">
13     <form action="/login" method="POST">
14         <label for="login_id">Login ID:</label>
15         <input type="text" id="login_id" name="login_id" required>
16
17         <label for="password">Password:</label>
18         <input type="password" id="password" name="password" required>
19
20         <button type="submit">Login</button>
21     <%
22         String alert = (String) request.getAttribute("alert");
23         if(alert != null && !alert.isEmpty()){
24             %>
25             <a style="color: darkred"><%= alert %></a>
26             <%
27             }
28             %>
29             <a href="/register.jsp">Don't have an account? Register</a>
30         </form>
31     </div>
32 </body>
33 </html>
```

# register.jsp

```
JSP register.jsp x
1  <%@ page contentType="text/html;charset=UTF-8" language="java" %>
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Employee Registration</title>
8      <link rel="stylesheet" href="styles/register-style.css">
9  </head>
10 <body>
11 <h1>Employee Registration</h1>
12 <%
13     String error = (String) request.getAttribute("error");
14     if(error != null && !error.isEmpty()) {
15 %>
16 <a> <%=error%> </a>
17 <%
18     }
19 %>
20 <div class="form-container">
21     <form action="register" method="POST">
22         <label for="name">Name:</label>
23         <input type="text" id="name" name="name" required>
24
25         <label for="dob">Date of Birth:</label>
26         <input type="date" id="dob" name="dob" required>
27
28         <label for="gender">Gender:</label>
29         <select id="gender" name="gender" required>
30             <option value="">Select Gender</option>
31             <option value="male">Male</option>
32             <option value="female">Female</option>
33             <option value="other">Other</option>
34         </select>
35
36         <label for="address">Address:</label>
37         <textarea id="address" name="address" rows="3" required></textarea>
38
39         <label for="city">City:</label>
40         <input type="text" id="city" name="city" required>
41
42         <label for="state">State:</label>
43         <input type="text" id="state" name="state" required>
44
45         <label for="login_id">Login ID:</label>
46         <input type="text" id="login_id" name="login_id" required>
47
48         <label for="password">Password:</label>
49         <input type="password" id="password" name="password" required>
50
51         <button type="submit">Register</button>
52     <%
53         if(error != null && !error.isEmpty()) {
54 %>
55 <a> <%=error%> </a>
56 <%
57     }
58 %>
59     <a href="login.jsp">Already Have an account? Login</a>
60 </form>
61 </div>
62 </body>
63 </html>
```

## welcome.jsp

JSP welcome.jsp ×

```
1  <%@ page contentType="text/html; charset=UTF-8" language="java" %>
2  <!DOCTYPE html>
3  <html lang="en">
4  <head>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <title>Welcome Page</title>
8      <link rel="stylesheet" href="styles/welcome-style.css">
9  </head>
10 <body>
11 <h1>Welcome</h1>
12 <div class="message">
13     <%
14         String name = (String) request.getAttribute("name");
15         if (name != null && !name.isEmpty()) {
16             <%
17                 Hello, <%= name %>!
18             <%
19             } else {
20                 <%
21                 Hello, Guest!
22                 <%
23                 }
24             <%
25 </div>
26
27 <div class="buttons">
28     <a href="index.jsp">Home</a>
29     <a href="login.jsp">Logout</a>
30 </div>
31 </body>
32 </html>
33
```

## admin-page.jsp

JSP admin-page.jsp ×

```
1  <%
2      response.setHeader("Cache-Control", "no-cache, no-store, must-revalidate");
3      response.setHeader("Pragma", "no-cache");
4      response.setHeader("Expires", "0");
5      if (session == null || session.getAttribute("login_id") == null) {
6          response.sendRedirect("login.jsp");
7          return;
8      }
9  %>
10
11  <%@ page import="java.util.List" %>
12  <%@ page import="Entity.Employee" %>
13  <%@ page contentType="text/html; charset=UTF-8" %>
14  <!DOCTYPE html>
15  <html lang="en">
16  <head>
17      <meta charset="UTF-8">
18      <meta name="viewport" content="width=device-width, initial-scale=1.0">
19      <title>Admin - Employee List</title>
20      <link rel="stylesheet" href="styles/admin-page-style.css">
21  </head>
22  <body>
23
24      <h1>Employee List Below</h1>
25      <table>
26      <tr>
27          <th>Name</th>
28          <th>Date of Birth</th>
29          <th>Gender</th>
```

```

42         <td><%= e.getDOB() %></td>
43         <td><%= e.getGender() %></td>
44         <td><%= e.getAddress() %></td>
45         <td><%= e.getCity() %></td>
46         <td><%= e.getState() %></td>
47         <td><%= e.getLogin_id() %></td>
48     </tr>
49     <%
50         }
51     } else {
52     %>
53     <tr>
54         <td colspan="8" style="text-align:center;">No employees found</td>
55     </tr>
56     <%
57         }
58     %>
59 </table>
60
61 <div class="buttons">
62     <a href="index.jsp">Home</a>
63     <a href="login.jsp">Logout</a>
64 </div>
65
66 <%
67     session.setAttribute("username", session.getAttribute("username"));
68 %>
69
70 </body>
71 </html>
72

```

## **OUTPUT SCREENSHOTS**

**Welcome to Our Page**

Home

Login

Register

# Login

**Login ID:**

**Password:**

Login

**Don't have an account? [Register](#)**

# Employee Registration

**Name:**

**Date of Birth:**

yyyy - mm - dd



**Gender:**

Select Gender



**Address:**

**City:**

**State:**

**Login ID:**

**Password:**

Register

[Already Have an account? Login](#)



# Login

**Login ID:**

**Password:**

Login

**Don't have an account? Register**

# Welcome

**Hello, Chaitanya Gayakwad!**

Home

Logout

# Login

**Login ID:**

**Password:**

Login

**Don't have an account? Register**

## Employee List Below

Name	Date of Birth	Gender	Address	City	State	Login ID
Chaitanya Gayakwad	2002-08-28	male	Nanaji Sathawane, Somalwada Square, Nagpur, 440025	Nagpur	Maharashtra	ChaitanyaOk
Rutuj Jibhakate	2024-10-03	male	amklsdlad	Nagpur	Maharashtra	Rutuj1234

Home

Logout