

## OOADJ MVC ASSIGNMENT

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SECTION : E

Database [ mySQL ] :

The screenshot displays the MySQL Workbench interface. The 'SCHEMAS' panel on the left shows the 'employee' database selected, with the 'login' table highlighted. The 'Query 1' tab is active, showing the query: `select * from employee.login;`. The 'Result Grid' shows the following data:

username	password
Agarsh	0303
Lisha	0505
Muskan	0101
Neil	0404
Priya	0202
HULL	HULL

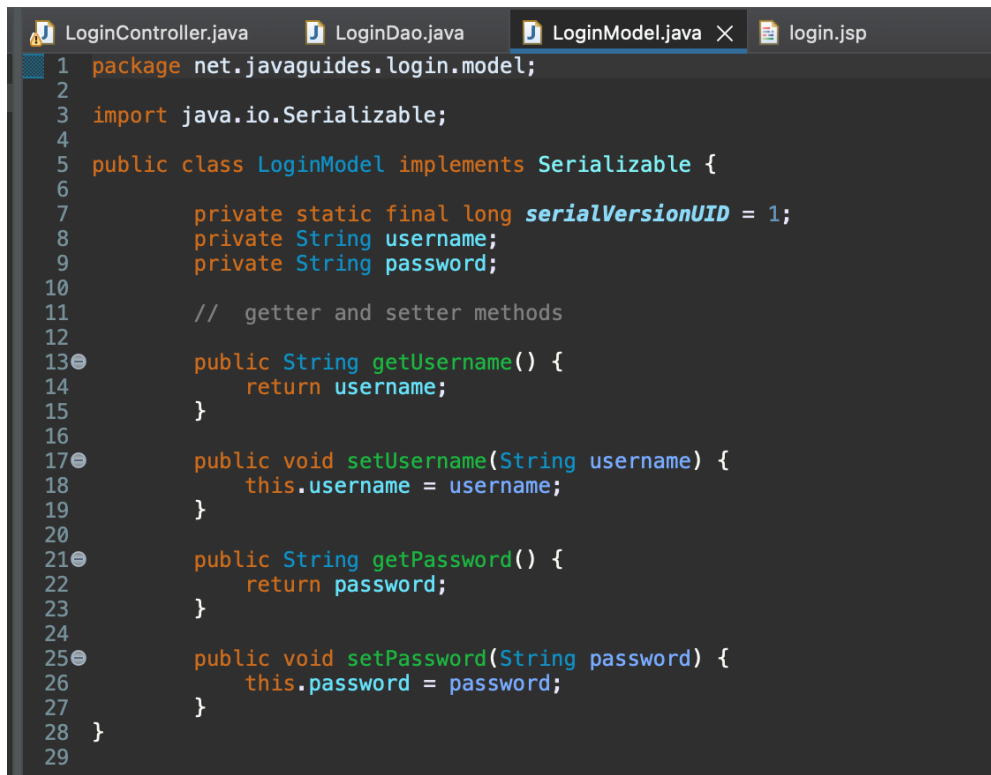
The 'Object Info' panel on the left shows the 'login' table structure:

Column	Type
username	varchar(45) PK
password	varchar(45)

The 'Action Output' panel at the bottom shows the execution results:

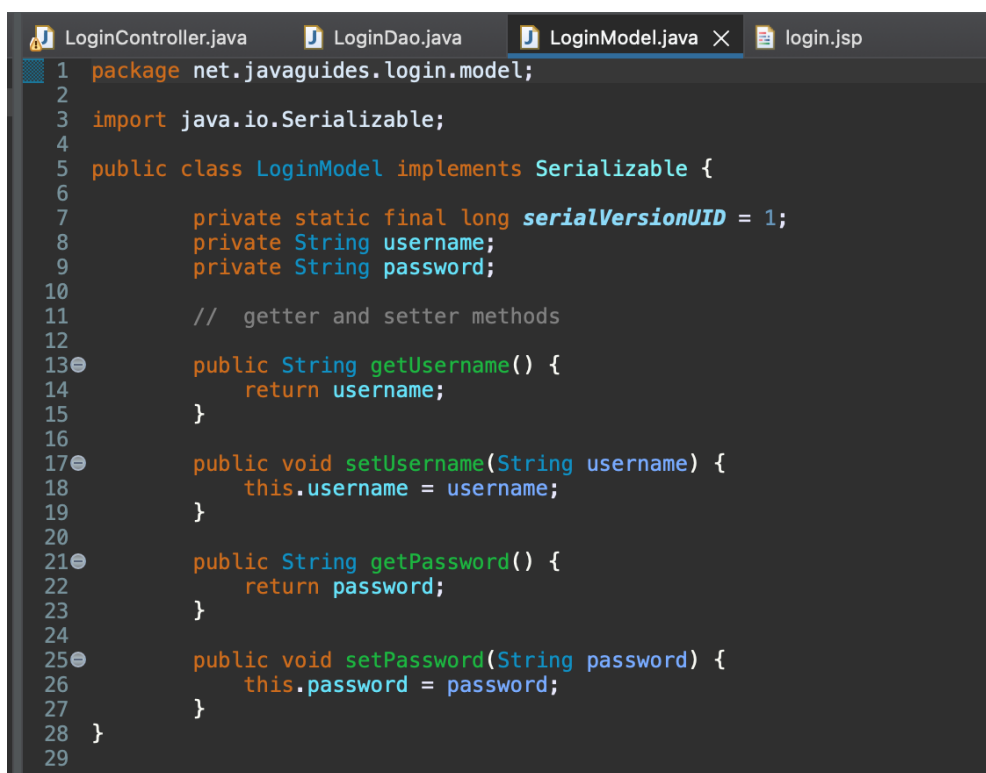
Time	Action	Response	Duration / Fetch Time
26 05:33:30	Insert into employee.login values('Lisha','0505')	1 row(s) affected	0.0047 sec
27 05:33:41	select * from employee.login LIMIT 0, 1000	5 row(s) returned	0.0084 sec / 0.0034...

LoginModel.java



```
1 package net.javaguides.login.model;
2
3 import java.io.Serializable;
4
5 public class LoginModel implements Serializable {
6
7     private static final long serialVersionUID = 1;
8     private String username;
9     private String password;
10
11     // getter and setter methods
12
13     public String getUsername() {
14         return username;
15     }
16
17     public void setUsername(String username) {
18         this.username = username;
19     }
20
21     public String getPassword() {
22         return password;
23     }
24
25     public void setPassword(String password) {
26         this.password = password;
27     }
28 }
29
```

## LoginController.java



```
1 package net.javaguides.login.model;
2
3 import java.io.Serializable;
4
5 public class LoginModel implements Serializable {
6
7     private static final long serialVersionUID = 1;
8     private String username;
9     private String password;
10
11     // getter and setter methods
12
13     public String getUsername() {
14         return username;
15     }
16
17     public void setUsername(String username) {
18         this.username = username;
19     }
20
21     public String getPassword() {
22         return password;
23     }
24
25     public void setPassword(String password) {
26         this.password = password;
27     }
28 }
29
```

## LoginDao.java

```

LoginController.java LoginDao.java X
1 package net.javaguides.login.database;
2
3 import java.sql.Connection;
10
11 public class LoginDao {
12     public boolean validate(LoginModel loginModel) throws ClassNotFoundException {
13         boolean status = false;
14
15         Class.forName("com.mysql.jdbc.Driver");
16
17         try (Connection connection = DriverManager
18             .getConnection("jdbc:mysql://localhost:3306/employee?useSSL=false", "root", "basa8814");
19
20             // Step 2: Create a statement using connection object
21             PreparedStatement preparedStatement = connection
22                 .prepareStatement("select * from login where username = ? and password = ? ") ) {
23             preparedStatement.setString(1, loginModel.getUsername());
24             preparedStatement.setString(2, loginModel.getPassword());
25
26             System.out.println(preparedStatement);
27             ResultSet rs = preparedStatement.executeQuery();
28             status = rs.next();
29
30         } catch (SQLException e) {
31             // process SQL exception
32             printSQLException(e);
33         }
34         return status;
35     }
36
37     private void printSQLException(SQLException ex) {
38         for (Throwable e: ex) {
39             if (e instanceof SQLException) {
40                 e.printStackTrace(System.err);
41                 System.err.println("SQLState: " + ((SQLException) e).getSQLState());
42                 System.err.println("Error Code: " + ((SQLException) e).getErrorCode());
43                 System.err.println("Message: " + e.getMessage());
44                 Throwable t = ex.getCause();
45                 while (t != null) {
46                     System.out.println("Cause: " + t);
47                     t = t.getCause();
48                 }
49             }
50         }
51     }
52 }
53

```

## Login.jsp

```

LoginController.java LoginDao.java LoginModel.java *login.jsp X
1 <?@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6   <meta charset="ISO-8859-1">
7   <title>Employee login form</title>
8 </head>
9 <body>
10  <div align="center">
11    <h1>Employee Login Form</h1>
12    <form action="<%=request.getContextPath()%>/login" method="post">
13      <table style="width: 100%">
14        <tr>
15          <td>UserName</td>
16          <td><input type="text" name="username" /></td>
17        </tr>
18        <tr>
19          <td>Password</td>
20          <td><input type="password" name="password" /></td>
21        </tr>
22      </table>
23      <input type="submit" value="Submit" />
24    </form>
25  </div>
26 </body>
27 </html>
28
29
30

```

## LoginSuccess.jsp

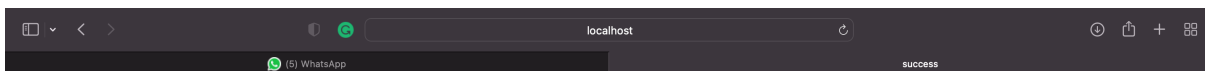
```
LoginController.java LoginDao.java LoginModel.java login.jsp loginsuccess.jsp X
1 <%@ page language="java" contentType="text/html; charset=UTF-8"
2   pageEncoding="UTF-8"%>
3 <!DOCTYPE html>
4 <html>
5 <head>
6   <meta charset="ISO-8859-1">
7   <title>success</title>
8 </head>
9 <body>
10  <div align="center">
11    <h1>You have successfully logged in</h1>
12  </div>
13 </body>
14 </html>
```

Output Screenshot :

- 1) When correct username and password are given we are redirected to –  
loginsuccess.jsp

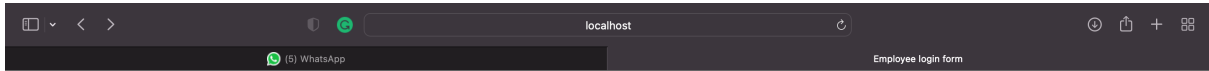
## Employee Login Form

UserName	<input type="text" value="Muskan"/>
Password	<input type="password" value="...."/>
<input type="button" value="Submit"/>	



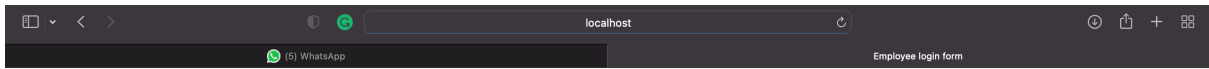
**You have successfully logged in**

- 2) When wrong username and password are given we are redirected to login.jsp again.



## Employee Login Form

UserName	<input type="text" value="Muskan"/>
Password	<input type="password" value="••••"/>
<input type="button" value="Submit"/>	



## Employee Login Form

UserName	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Submit"/>	