

Index.jsp

```
<html>
  <body>
    <form method = "post" action = "servletURL">
      USERNAME: <input type = "text" name = "textbox1" />
      <br><br>
      PASSWORD: <input type = "password" name = "textbox2" />
      <br><br>
      <input type = "submit" value = "Go!" />
    </form>
  </body>
</html>
```

Success.jsp

```
<html>
  <body>
    <p> Welcome back!</p>
  </body>
</html>
```

Halfway.jsp

```
<html>
  <body>
    <p> I know your name, not your password :( </p>
    <form method = "post" action = "index.jsp">
      <input type = "submit" value = "Try again!" />
    </form>
  </body>
</html>
```

Error.jsp

```
<html>
  <body>
    <p> Do I know you? :/ </p>
    <form method = "post" action = "index.jsp">
      <input type = "submit" value = "Login" />
    </form>
  </body>
</html>
```

Web.xml

```
<web-app>
  <servlet>
    <servlet-name>UserAuthentication</servlet-name>
    <servlet-class>loginController</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>UserAuthentication</servlet-name>
    <url-pattern>/servletURL</url-pattern>
  </servlet-mapping>
</web-app>
```

loginController.java

```
import Bean.*;
import DAO.loginDAO;
import Bean.User;
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
```

```

public class loginController extends HttpServlet{
    public void doPost (HttpServletRequest req, HttpServletResponse resp){
        try{
            resp.setContentType("text/html");
            PrintWriter out = resp.getWriter();
            String name = req.getParameter("textbox1");
            String password = req.getParameter("textbox2");
            User U = new User();
            U.setName(name);
            U.setPass(password);
            loginDAO ld = new loginDAO();
            int res = ld.authenticate(U);
            if(res == 1)
                req.getRequestDispatcher("success.jsp").forward(req, resp);
            else if(res == 0)
                req.getRequestDispatcher("halfway.jsp").forward(req, resp);
            else
                req.getRequestDispatcher("error.jsp").forward(req, resp);
        }
        catch(Exception e){
            e.printStackTrace();
        }
    }
}

```

loginDao.java

```

package DAO;
import Bean.*;
import java.io.*;
import java.sql.*;
public class loginDAO {
    public int authenticate(User U){
        try{
            final String JDBC_DRIVER="com.mysql.jdbc.Driver";
            final String DB_URL="jdbc:mysql://localhost:3306/TEST";
            final String USER = "root";
            final String PASS = "password";
            Connection conn = null;
            Statement stmt = null;
            Class.forName("com.mysql.jdbc.Driver");
            conn = DriverManager.getConnection(DB_URL, USER, PASS);
            stmt = conn.createStatement();
            String name = U.getName();
            String pd = U.getPass();
            String sql1 = "select * from Users where UserName = '"+name+"' AND Password = 
            '"+pd+"'";
            ResultSet rs1 = stmt.executeQuery(sql1);
            if(rs1.next())
                return 1;
            else{
                String sql2 = "select * from Users where UserName = '"+name+"'";
                ResultSet rs2 = stmt.executeQuery(sql2);
                if(rs2.next())
                    return 0;
                return -1;
            }
        }
        catch(Exception e){
            e.printStackTrace();
        }
    }
}

```

```
    }  
    return 0;  
}  
}
```

User.java

```
package Bean;  
public class User{  
    String Name, Pass;  
    public void setName(String a){  
        Name = a;  
    }  
    public void setPass(String a){  
        Pass = a;  
    }  
    public String getName(){  
        return Name;  
    }  
    public String getPass(){  
        return Pass;  
    }  
}
```

SUCCESS = Right UserName + Right Password



localhost:8080/PMvc/index.jsp

USERNAME:

PASSWORD:



localhost:8080/PMvc/servletURL

Welcome back!

HALFWAY = Right UserName + Wrong Password



A screenshot of a web browser window. The title bar shows a single tab labeled 'localhost'. The address bar contains 'localhost:8080/PMvc/index.jsp'. The page content includes a login form with two input fields: 'USERNAME:' containing the text 'Kurien' and 'PASSWORD:' containing ten dots. Below the password field is a 'Go!' button.

localhost:8080/PMvc/index.jsp

USERNAME: Kurien

PASSWORD:

Go!




A screenshot of a web browser window. The title bar shows a single tab labeled 'localhost'. The address bar contains 'localhost:8080/PMvc/servletURL'. The page content displays an error message: 'I know your name, not your password :('. Below the message is a 'Try again!' button.

localhost:8080/PMvc/servletURL

I know your name, not your password :(

Try again!

ERROR = Wrong UserName + Wrong Password



A screenshot of a web browser window. The address bar shows 'localhost:8080/PMvc/index.jsp'. The page contains a login form with two input fields: 'USERNAME:' with the value 'Sameer' and 'PASSWORD:' with masked characters '••••••••'. Below the fields is a 'Go!' button. The browser's tab bar shows 'localhost' and the window title is 'localhost'.

localhost:8080/PMvc/index.jsp

USERNAME: Sameer

PASSWORD: ••••••••

Go!



A screenshot of a web browser window. The address bar shows 'localhost:8080/PMvc/servletURL'. The page contains a login form with the text 'Do I know you? :/' and a 'Login' button. The browser's tab bar shows 'localhost' and the window title is 'localhost'.

localhost:8080/PMvc/servletURL

Do I know you? :/

Login