Practice Project: Validation of the User Login

Source code:

`LoginPage.java`

```java
package com;

import java.io.IOException;
import java.io.ObjectOutput;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class Login
 */
public class LoginPage extends HttpServlet {
	private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public LoginPage() {
        super();
        // TODO Auto-generated constructor stub
    }

	/**
	 * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
	 */
	protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

			String emailid = request.getParameter("emailid");
			String password=request.getParameter("password");
			PrintWriter pw=response.getWriter();
			response.setContentType("text/html");

			RequestDispatcher rd1=request.getRequestDispatcher("dashBoard.html");
			RequestDispatcher rd2=request.getRequestDispatcher("index.html");

			try {
				Class.forName("com.mysql.cj.jdbc.Driver");
```

```java
                    Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/db","root","
root");
                    PreparedStatement pstmt=con.prepareStatement("select * from
login where emailid=? and password=?");
                    pstmt.setString(1, emailid);
                    pstmt.setString(2, password);
                    ResultSet rs=pstmt.executeQuery();
                    if(rs.next()) {
                            pw.println("Successfully login !");
                            rd1.forward(request, response);
                    }
                    else{

                            rd2.include(request, response);
                            pw.println("Ivalid login input !");
                    }
            }
            catch(Exception e) {
            e.getMessage();
            }
        }

        /**
         * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
         */
        protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
                        PrintWriter pw=response.getWriter();

                        response.setContentType("text/html");
                        RequestDispatcher
rd2=request.getRequestDispatcher("index.html");

                        String emailid = request.getParameter("emailid");
                        String password=request.getParameter("password");
                        try {
                            Class.forName("com.mysql.cj.jdbc.Driver");
                            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/db","root","
root");
                            PreparedStatement
pstmt=con.prepareStatement("insert into login values (?,?) ");
                            pstmt.setString(1, emailid);
                            pstmt.setString(2, password);
                            int rs=pstmt.executeUpdate();
                            if(rs>0) {
                                pw.println("Account created successfully
!");
                            }
                        }catch(Exception e) {
                            pw.println("Account already existed !");
                            rd2.include(request, response);
                        }
                }

        }
```

dashBoard.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<h1 style="color:SlateBlue;"> Welcome to DashBoard</h1>
<a href ="LoginPage"> <button>logout</button></a><br>
</body>
</html>
```

index.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
                <h1 style="color:SlateBlue;"> Login</h1>
        <form action="LoginPage">
        <labael>Email Id</labael>
        <input type ="email" name="emailid"/><br/>
        <labael>Password</labael>

        <input type ="password" name="password"/>
        <input type ="submit" name="submit"/>
        <input type ="reset" name="reset"/>
        </form><br/><br/>
        <a href ="signUp.html">SingnUp</a><br/>

</body>
</html>
```

`signUp.html`

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
                <h1>Create New Account </h1>

                <form action="LoginPage" method="post">

        <labael>Email Id</labael>
        <input type ="email" name="emailid"/><br/>
        <labael>Password</labael>
        <input type ="password" name="password"/>
        <input type ="submit" name="submit"/>
        <label>Reset</label>
        <input type ="reset" name="reset"/>
        </form>
</body>
</html>
```