DBMS AND JAVA PROJECT

TITLE:SALARY MANAGEMENT SYSTEM

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LOGIN PAGE:

```java
import javax.swing.*;

import java.awt.*;

import java.awt.event.*;

import java.sql.*;


public class LoginPage extends JFrame implements ActionListener {

private static final long serialVersionUID = 1L;

JTextField txtUsername;

JPasswordField txtPassword;

JButton btnLogin, btnRegister;


public LoginPage() {

setTitle("Login Page");

setLayout(new GridLayout(3, 2));


add(new JLabel("Username:"));

txtUsername = new JTextField();

add(txtUsername);


add(new JLabel("Password:"));

txtPassword = new JPasswordField();

add(txtPassword);


btnLogin = new JButton("Login");

btnLogin.addActionListener(this);

add(btnLogin);
```

```java
btnRegister = new JButton("Register");

btnRegister.addActionListener(this);

add(btnRegister);


setSize(300, 150);

setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

setVisible(true);

}


public void actionPerformed(ActionEvent e) {

if (e.getSource() == btnLogin) {

loginUser();

} else if (e.getSource() == btnRegister) {

new RegisterPage();

this.dispose();

}

}


private void loginUser() {

try (Connection conn = DBConnection.getConnection()) {

String username = txtUsername.getText();

String password = new String(txtPassword.getPassword());


String sql = "SELECT * FROM users WHERE username = ? AND password = ?";

try (PreparedStatement pstmt = conn.prepareStatement(sql)) {

pstmt.setString(1, username);

pstmt.setString(2, password);


ResultSet rs = pstmt.executeQuery();
```

```java
if (rs.next()) {

new SalaryManagementSystem();

this.dispose();

} else {

JOptionPane.showMessageDialog(this, "Invalid credentials!");

}

}

} catch (SQLException ex) {

ex.printStackTrace();

JOptionPane.showMessageDialog(this, "Database Error: " + ex.getMessage());

}

}


public static void main(String[] args) {

new LoginPage();

}

}
```