User class

import java.util.ArrayList;

public class Users {

private String userName;

private String userPass;

private ArrayList<Users> myUser = new ArrayList<Users>();

public Users(String userName, String userPass) {

setUserName(userName);

setUserPass(userPass);

}

public Users() {

}

public String getUserName() {

return userName;

}

public void setUserName(String userName) {

this.userName = userName.trim();

}

public String getUserPass() {

return userPass;

}

public void setUserPass(String userPass) {

this.userPass = userPass.trim();

}

public ArrayList<Users> getAllUsers() {

return myUser;

}

public boolean addNewUser(Users newUser) {

try {

myUser.add(newUser);

return true;

} catch (Exception e) {

System.out.println(e.getLocalizedMessage());

return false;

}

}

public boolean LogIn(String name,String pass) {

for (Users users : myUser) {

if (users.userName.equals(name)&&users.userPass.equals(pass)) {

return true;

}

}

return false;

}

}

Register Page

import java.awt.GridLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JPasswordField;

import javax.swing.JTextField;

public class RegisterPage extends JFrame implements ActionListener{

private JTextField textUserName;

private JPasswordField textPass;

private JLabel labelUserName,labelPass,labelRegister;

private JButton register;

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private Users user;

public RegisterPage(Users user) {

super("Register Page");

this.user = user;

setLayout(new GridLayout(3, 2));

textUserName = new JTextField();

textPass = new JPasswordField();

labelUserName = new JLabel("User Name");

labelPass = new JLabel("Password");

labelRegister = new JLabel();

register = new JButton("Register");

register.addActionListener(this);

add(labelUserName);

add(textUserName);

add(labelPass);

add(textPass);

add(labelRegister);

add(register);

setVisible(true);

setSize(300,150);

setLocationRelativeTo(null);

}

public void actionPerformed(ActionEvent e) {

if (user.addNewUser(new Users(textUserName.getText(),textPass.getText()))) {

this.setVisible(false);

} else {

JOptionPane.showMessageDialog(null, "Something went wrong");

}

}

}

Login Page

import java.awt.GridLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.util.Arrays;

import javax.swing.\*;

public class LoginPage extends JFrame implements ActionListener{

private JTextField textUserName;

private JPasswordField textPass;

private JLabel labelUserName,labelPass;

private JButton button,register;

private Users user=new Users();

private enum Actions{

LogIn,

Register

}

public LoginPage() {

super("Login Page");

setLayout(new GridLayout(3, 2));

textUserName = new JTextField();

textPass = new JPasswordField();

labelUserName = new JLabel("User Name");

labelPass = new JLabel("Password");

register = new JButton("Register");

register.setActionCommand(Actions.Register.name());

register.addActionListener(this);

button = new JButton("Login");

button.setActionCommand(Actions.LogIn.name());

button.addActionListener(this);

add(labelUserName);

add(textUserName);

add(labelPass);

add(textPass);

add(register);

add(button);

setVisible(true);

setSize(300,150);

setLocationRelativeTo(null);

}

public static void main(String[] args) {

new LoginPage();

}

public void actionPerformed(ActionEvent event) {

if (event.getActionCommand() == Actions.LogIn.name()) {

String userName = textUserName.getText();

String pass = textPass.getText();

if (user.LogIn(userName,pass)) {

this.setVisible(false);

new mainPage();

} else {

JOptionPane.showMessageDialog(null, "Wrong User Name or Password");

}

} else if (event.getActionCommand() == Actions.Register.name()){

new RegisterPage(user);

}

}

}

Main Page

import java.awt.FlowLayout;

import javax.swing.\*;

public class mainPage extends JFrame{

private JLabel welcomeLabel;

public mainPage() {

super("Main Page");

setLayout(new FlowLayout());

welcomeLabel = new JLabel("Welcome");

add(welcomeLabel);

setVisible(true);

setSize(300,300);

setLocationRelativeTo(null);

}

}





