Import javax.swing.JOptionPane;

Public class User {

Private final String username;

Private final String password;

Private final String firstName;

Private final String lastName;

Public User(String username, String password, String firstName, String lastName) {

This.username = username;

This.password = password;

This.firstName = firstName;

This.lastName = lastName;

}

Public boolean checkUsername() {

Return username.contains(“\_”) && username.length() <= 5;

}

Public boolean checkPasswordComplexity() {

// Check password complexity

}

Public String registerUser() {

If (checkUsername() && checkPasswordComplexity()) {

Return “Username and password successfully captured.”;

}

else {

Return “Username or password does not meet requirements.”;

}

}

Public boolean loginUser(String inputUsername, String inputPassword) {

Return username.equals(inputUsername) && password.equals(inputPassword);

}

Public static void main(String[] args) {

String username = JOptionPane.showInputDialog(“Enter username:”);

String password = JOptionPane.showInputDialog(“Enter password:”);

String firstName = JOptionPane.showInputDialog(“Enter first name:”);

String lastName = JOptionPane.showInputDialog(“Enter last name:”);

User user = new User(username, password, firstName, lastName);

String registrationStatus = user.registerUser();

JOptionPane.showMessageDialog(null, registrationStatus);

String loginUsername = JOptionPane.showInputDialog(“Enter username to login:”);

String loginPassword = JOptionPane.showInputDialog(“Enter password to login:”);

Boolean isLoggedIn = user.loginUser(loginUsername, loginPassword);

String loginStatus = user.returnLoginStatus(isLoggedIn);

JOptionPane.showMessageDialog(null, loginStatus);

}

}