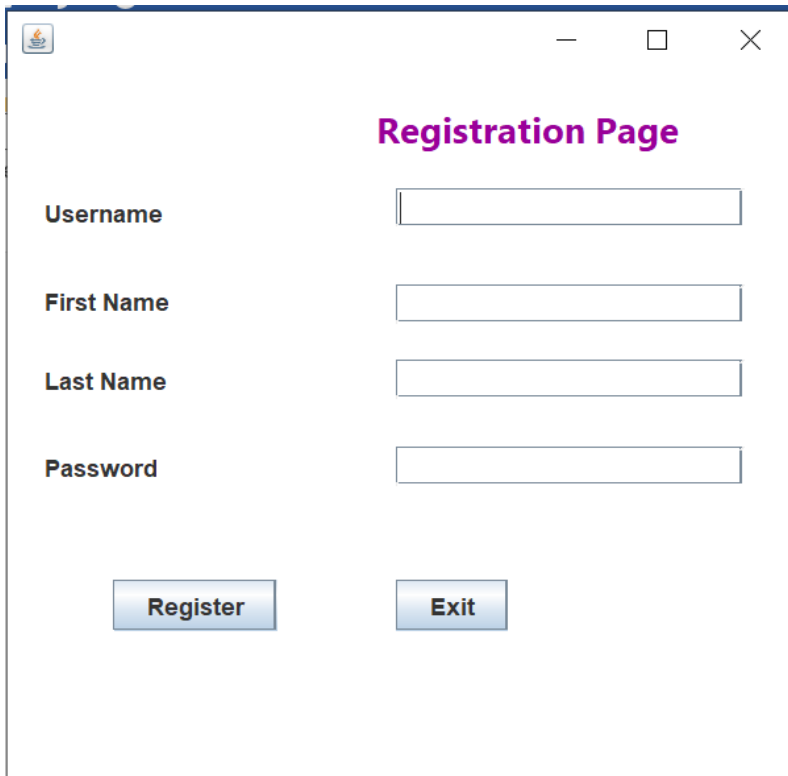


**Information Technology
Database Development
Software Development
Advanced JavaSemester 2
JD522 FA1
Thapelo Mookeng**

Registration Form



Registration Page

Username

First Name

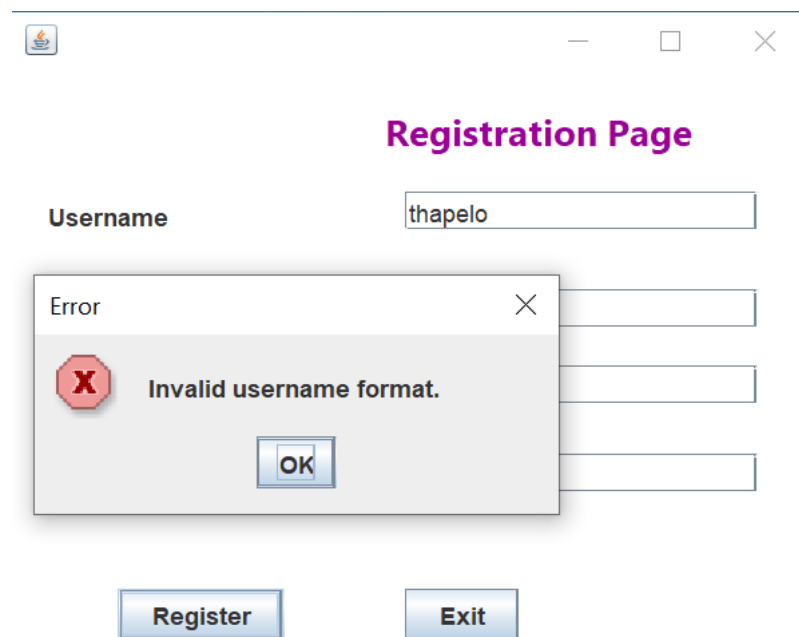
Last Name

Password

```
public static boolean containsHushSymbol(String username) {  
    return username != null && username.contains(s: "#");  
}
```

```
username = jTextField1.getText();  
if(!containsHushSymbol(username)){  
    JOptionPane.showMessageDialog(parentComponent:this, message:"Invalid username format.", title: "Error", messageType:JOptionPane.ERROR_MESSAGE);  
    return; // Stop further processing  
}else{  
    JOptionPane.showMessageDialog(parentComponent:null,message:"Username format correct");  
}
```

Username not meeting requirements



The screenshot shows a web application window titled "Registration Page". The "Username" field contains the text "thapelo". An error dialog box is displayed in the foreground with the title "Error", a red 'X' icon, and the message "Invalid username format.". The dialog has an "OK" button. Below the username field are three empty input fields for password and confirmation. At the bottom are "Register" and "Exit" buttons.

Registration Page

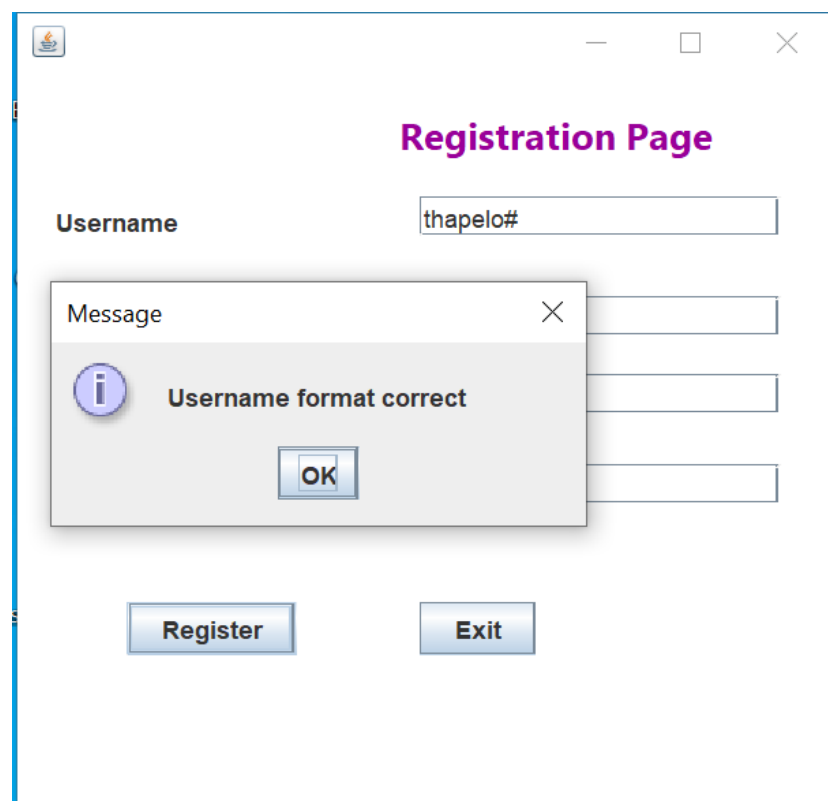
Username

Error

Invalid username format.

OK

Username Meet requirement



The screenshot shows the same "Registration Page" window, but the "Username" field now contains "thapelo#". A success message dialog box is displayed in the foreground with the title "Message", an information 'i' icon, and the message "Username format correct.". The dialog has an "OK" button. The layout of the form and buttons is identical to the previous screenshot.

Registration Page

Username

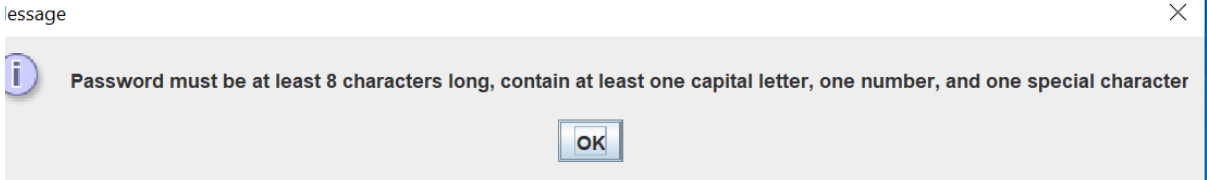
Message

Username format correct

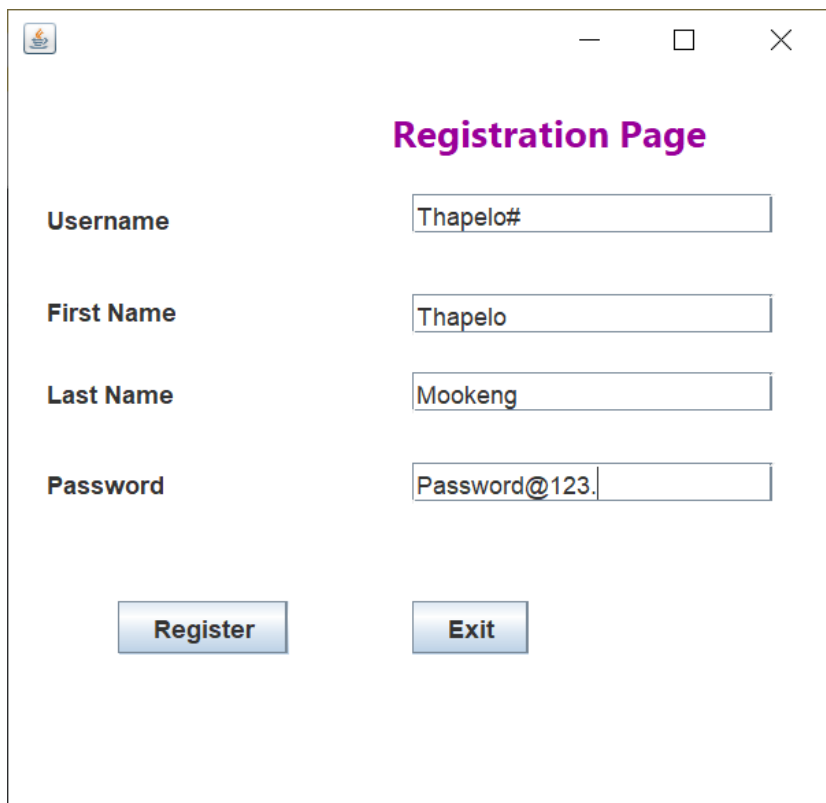
OK

Password Word Requirements

```
:this,message:"Password must be at least 8 characters long, contain at least one capital letter, one number, and one special character");
```



Registration



A screenshot of a Windows application window titled "Registration Page". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main content area has a light gray background. At the top, the title "Registration Page" is displayed in a bold, purple font. Below the title, there are four labeled text input fields: "Username" with the text "Thapelo#", "First Name" with "Thapelo", "Last Name" with "Mookeng", and "Password" with "Password@123.". At the bottom of the window, there are two blue buttons with white text: "Register" and "Exit".

Registration Page

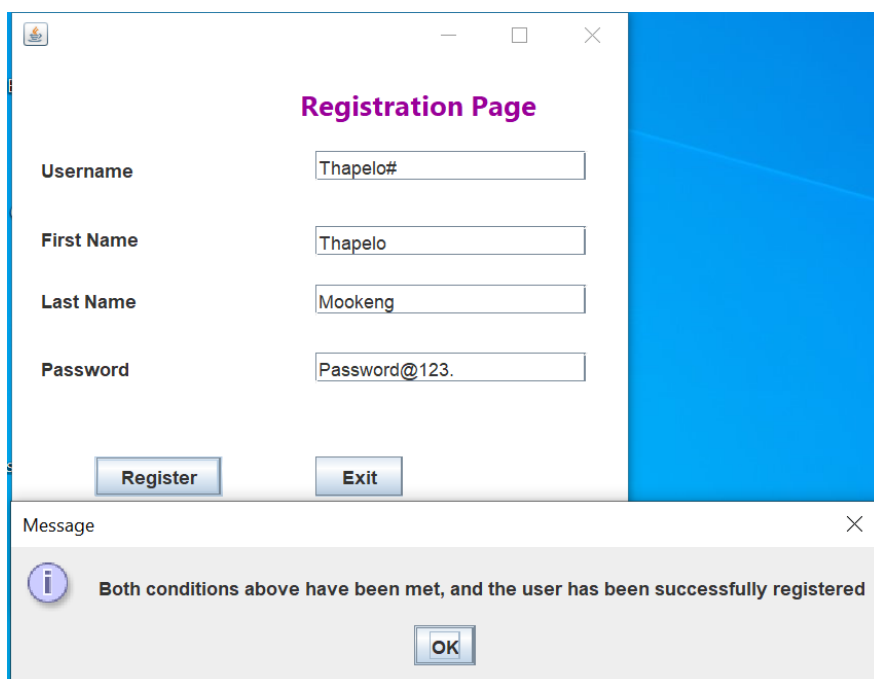
Username: Thapelo#

First Name: Thapelo

Last Name: Mookeng

Password: Password@123.

Register Exit



A screenshot showing the same "Registration Page" window as above, but with a "Message" dialog box open in the foreground. The dialog box has a title bar with "Message" and a close button. It contains an information icon (a lowercase 'i' in a circle) followed by the text: "Both conditions above have been met, and the user has been successfully registered". At the bottom of the dialog box is an "OK" button. The "Registration Page" window is partially visible behind the dialog box, showing the same input fields and buttons.

Registration Page

Username: Thapelo#

First Name: Thapelo

Last Name: Mookeng

Password: Password@123.

Register Exit

Message

Both conditions above have been met, and the user has been successfully registered

OK

Login Page

LOGIN PAGE

Username

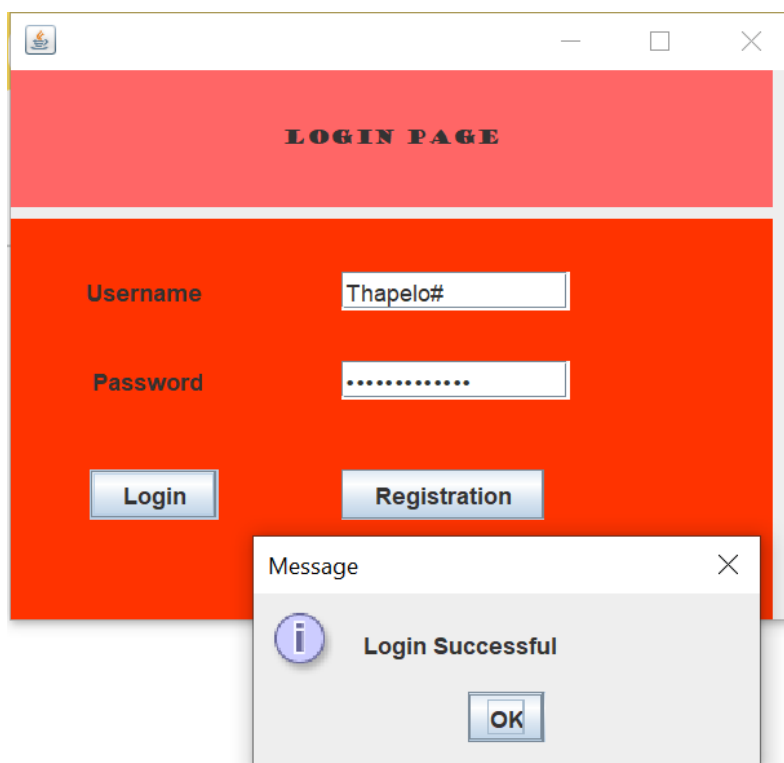
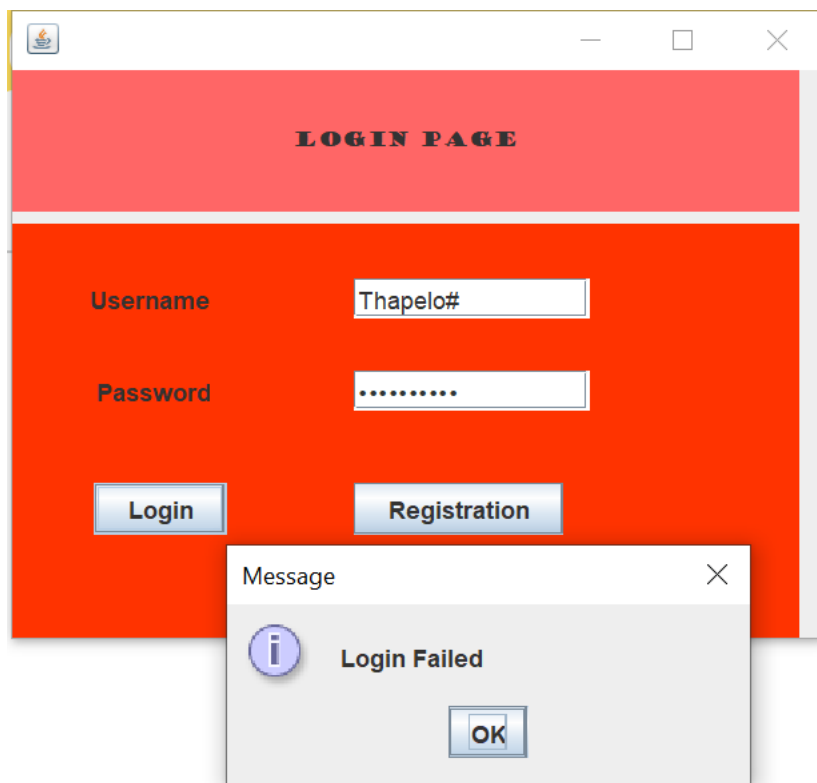
Password

Login

Registration

```
private void btnLoginActionPerformed(java.awt.event.ActionEvent evt) {  
    String username,password;  
    username = tfUsername.getText();  
    password = pfPassword.getText();  
  
    if(username.equals(anObject: "Thapelo#")&&password.equals(anObject: "Password@123."))  
    {JOptionPane.showMessageDialog(parentComponent:null, message:"Login Successful");  
  
    }else {  
    JOptionPane.showMessageDialog(parentComponent:null,message:"Login Failed");  
    }  
  
}  
  
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    Registration rg = new Registration();  
    rg.setVisible(b: true);  
    this.dispose();  
}
```

Login Failed



Login Successful

