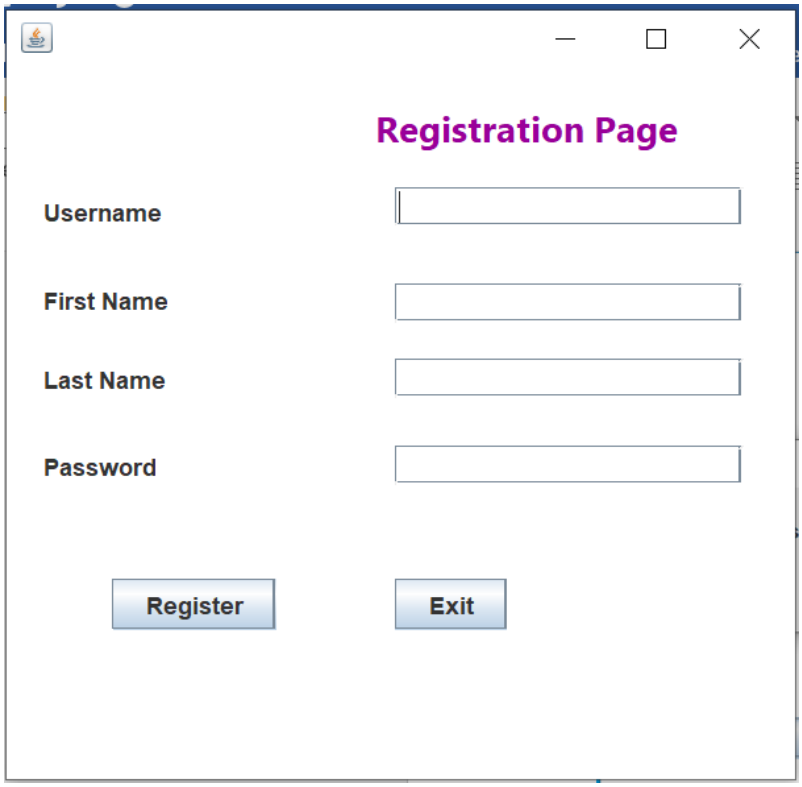
Information Technology
Database Development
Software Development
Advanced JavaSemester 2
JD522 FA1

Thapelo Mookeng

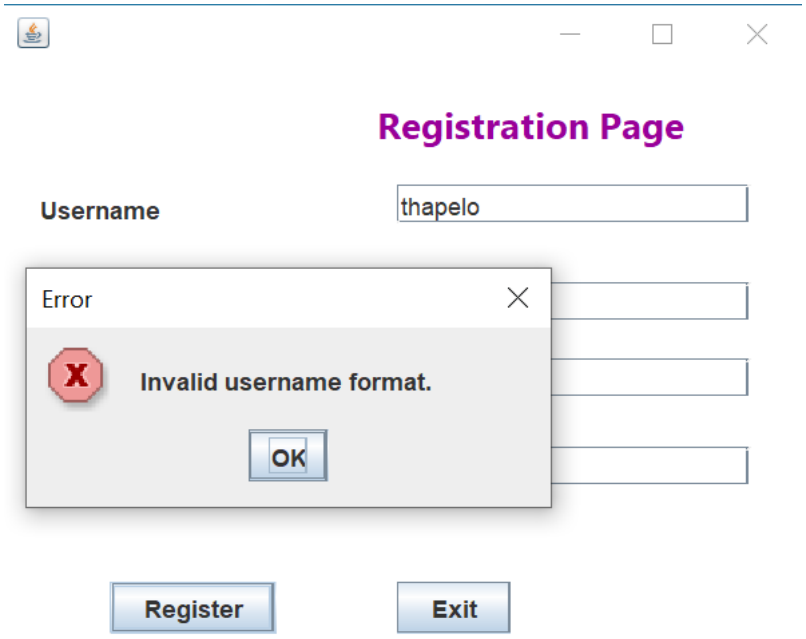
Registration Form



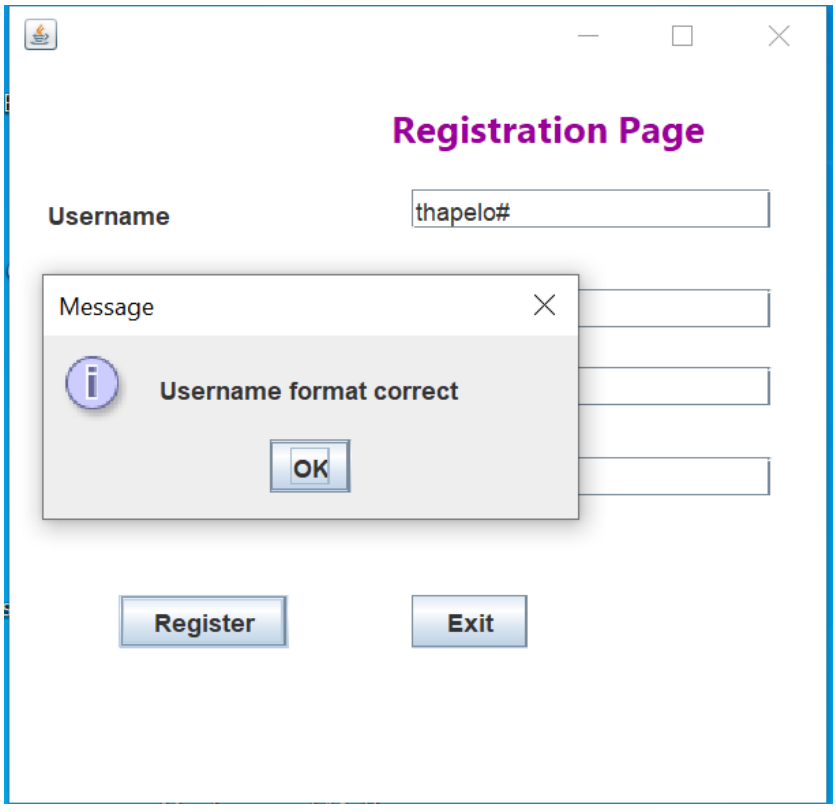

```
public static boolean containsHushSymbol(String username){
    return username != null && username.contains(s: "#");
}
```

```
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



Username Meet requirement

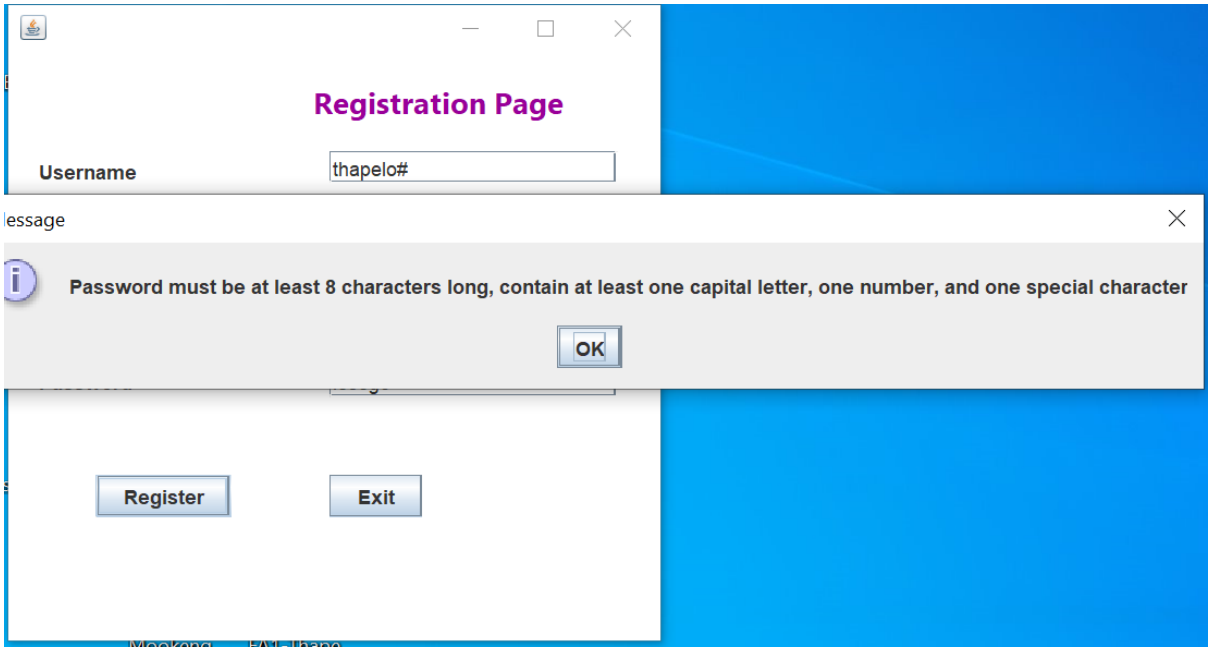


Password Word Requirements

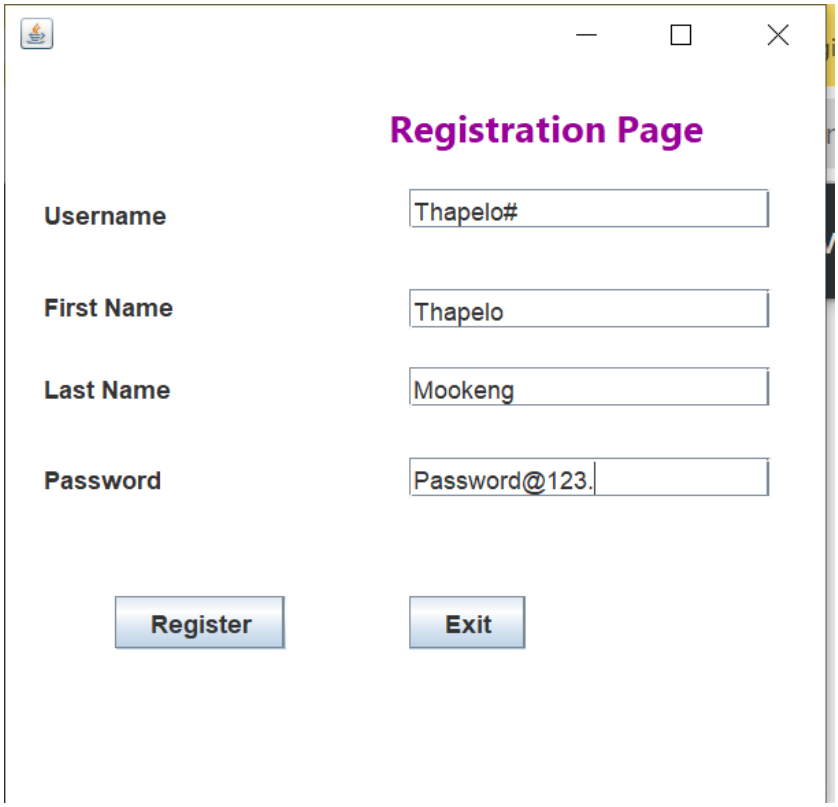
```
password = jTextField4.getText();
if (isPasswordValid(password)){

}else{
    JOptionPane.showMessageDialog(parentComponent:this,message:"Password must be at least 8 characters long, contain at least one capital letter,
}
```

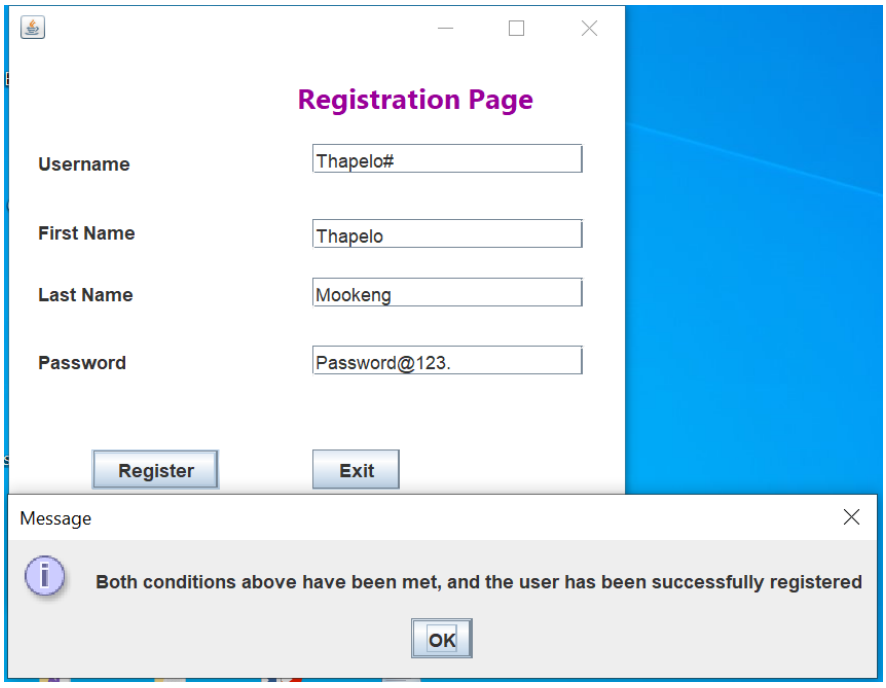
```
:this,message:"Password must be at least 8 characters long, contain at least one capital letter, one number, and one special character");
```

```
private boolean isPasswordValid (String password){
    return password.length()>=8&&
            password.matches(regex: ".*[A-Z].*")&&
            password.matches(regex: ".*\\d.*") &&
            password.matches(regex: ".[!@#$%^&*()-_=+\\\\|\\[{\\]};:'\",<.>/?].");
}
```

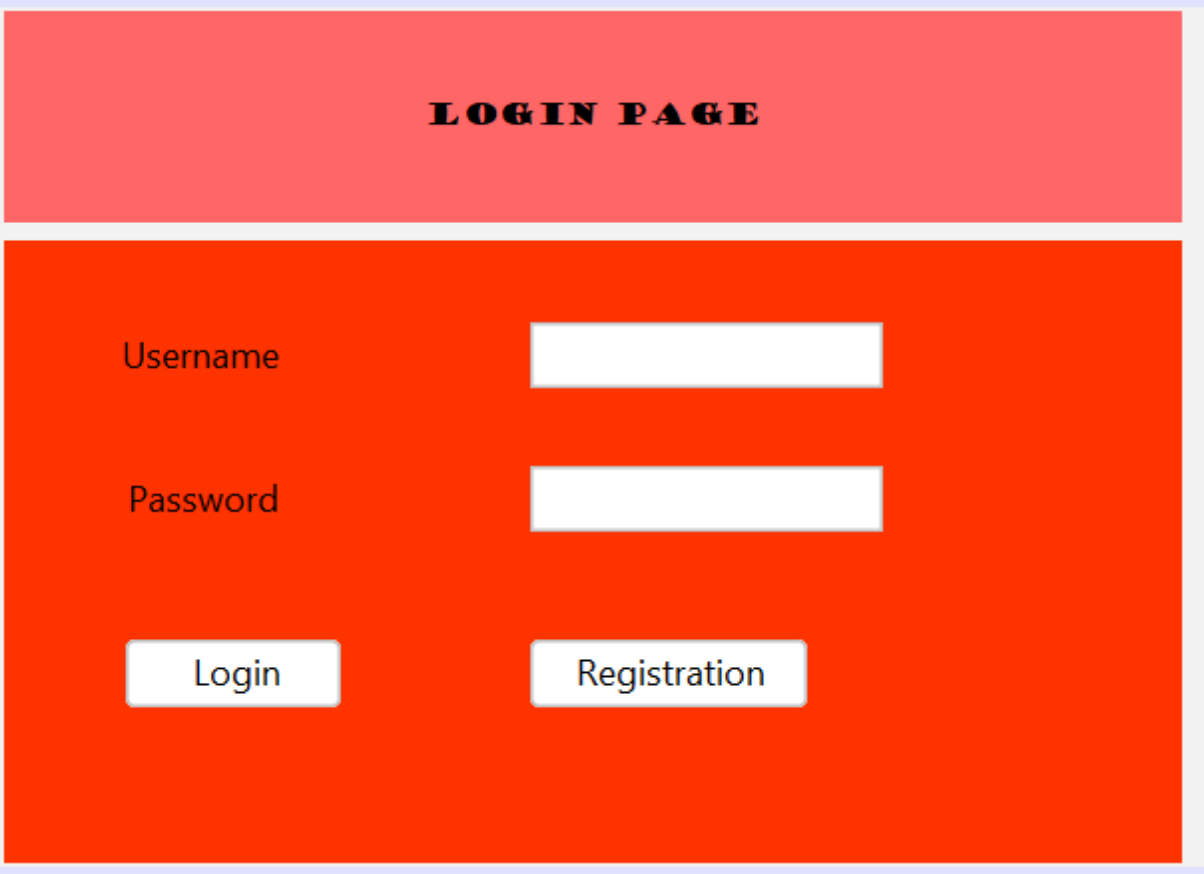


Registration



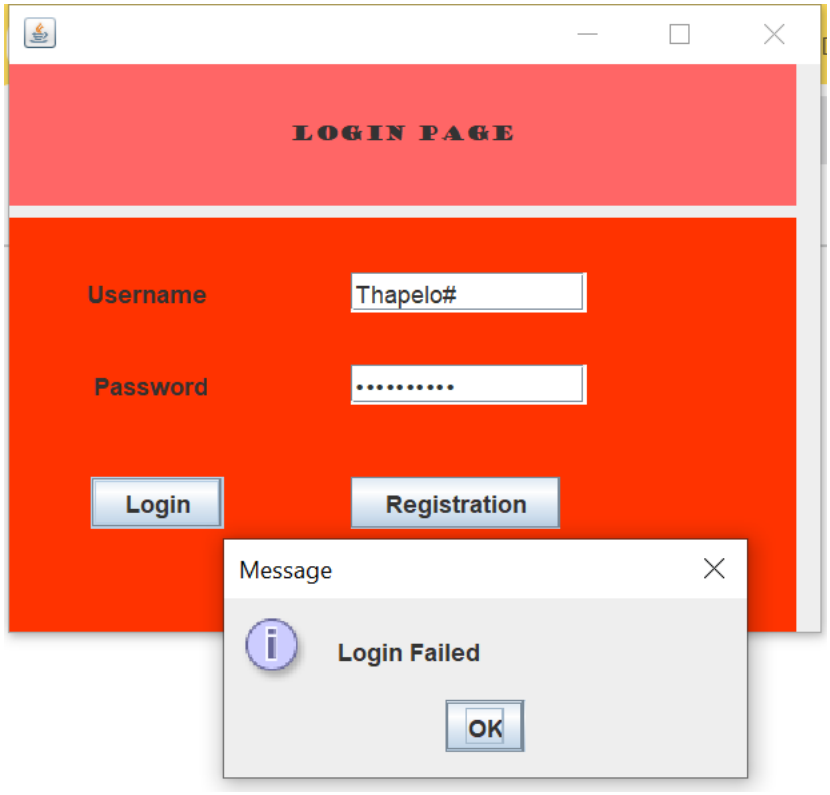


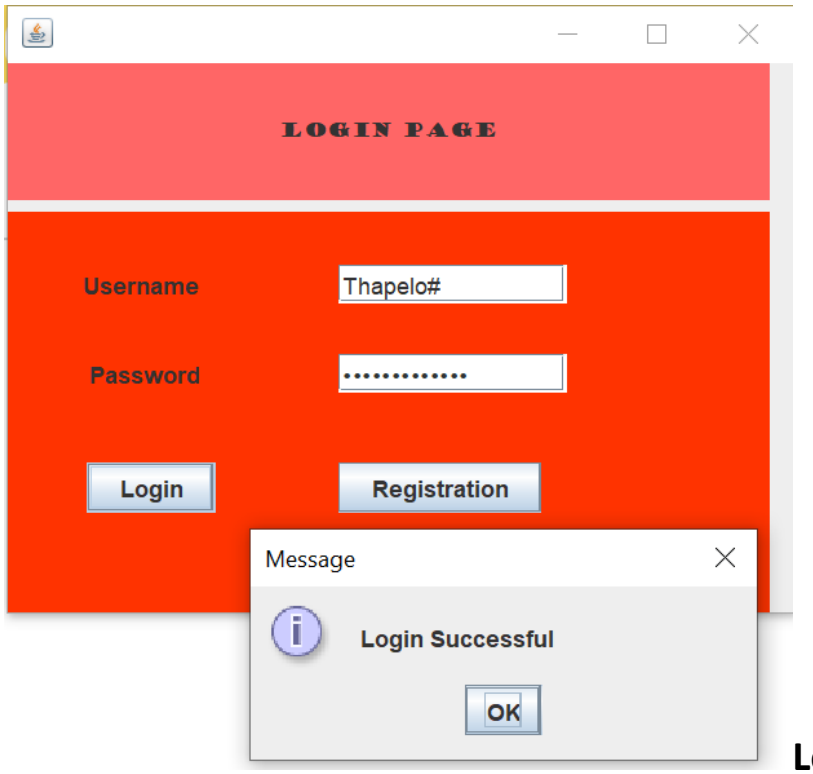
Login Page




```
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