

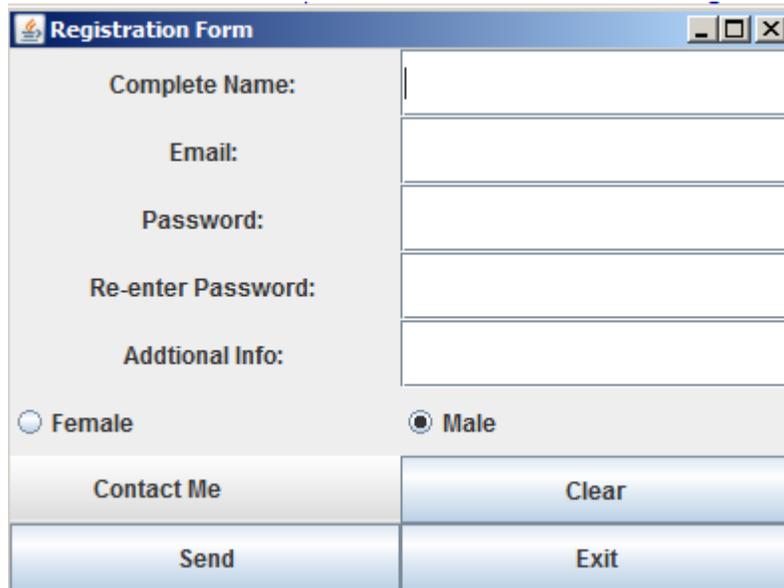
University of Puerto Rico  
Department of Electrical and Computer Engineering  
ICOM 4015 Laboratory: Advanced Programming

**Laboratory: Graphical User Interphases (GUI's)**

Completed by:  
ID:  
Date:

## Introduction

In this laboratory we will practice GUIs. We are going to create the following GUI for a simple online registration form to create an account in a website:



Complete Name:	<input type="text"/>
Email:	<input type="text"/>
Password:	<input type="text"/>
Re-enter Password:	<input type="text"/>
Additional Info:	<input type="text"/>
<input type="radio"/> Female	<input checked="" type="radio"/> Male
Contact Me	Clear
Send	Exit

Figure 1 - GUI for a simple online registration form

It asks you for your name, email address, secret password to access your account, confirms the correctness of your password, asks for additional information, and your gender. You can choose among different ways that the website can contact you through a drop down MenuBar labeled "Contact Me". The "Clear" button erases the information that you have entered. By clicking on the "Send" button a DialogBox - which is created by using JOptionPane - will appear to confirm that your form has been submitted. Finally the "Exit" button closes the window and terminates the application. To implement the functionality of these buttons we will use the ButtonHandler class.

In this GUI several components classes will be used:

- JLabel
- JTextField
- JButton
- ButtonHandler
- JRadioButton
- JMenuBar
- JOptionPane



4. The code provided doesn't compare the string in the password field with the string in the re-enter password field. Add necessary code to do this task and signal a validation error in case of a mismatch.
5. The Jmenu "Contact Me" possess only two items. Add "Cell Phone" and "Regular Mail" as the third and fourth items.
6. Add a RadioBox to ask for the gender.
7. The "Clear" button doesn't erase the form fields. You should fix it to do so. Follow the example of the "Send" and "Exit" buttons to activate the "Clear" button. You need to create an inner class "ClearButtonHandler" which implements "ActionListener" to process the "Clear" event.

Your complete class here:

```
////////////////////////////////////  
/////  
////////////////////////////////////
```