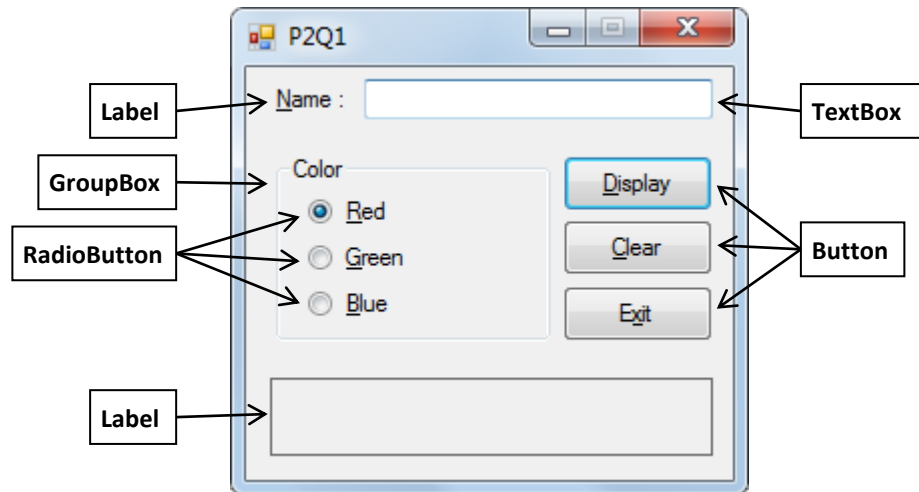


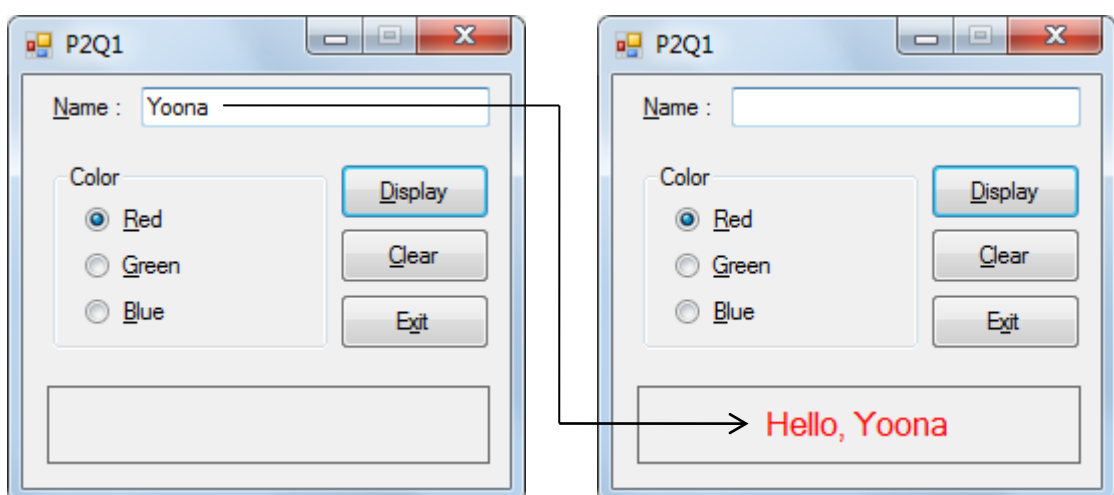
Practical 2: User Interface Design

Q1.

- Create a Form with the following layout. Name the controls accordingly based on the agreed VB.NET naming convention.



- Make the Form not resizable. Ensure that the [**Display**] Button will be activated when the [Enter] key is pressed, and the [**Exit**] Button will be activated when the [Esc] key is pressed.
- Ensure the tab order is appropriate. Assign appropriate keyboard access key to the relevant controls.
- The [**Name**] TextBox can only accept a maximum of 20 characters.
- When the [**Display**] Button is clicked, display the message "Hello, <name>" in the selected color (as shown below). After that, empty and focus on the [**Name**] TextBox. Refer to the following code snippet to get some ideas on how to retrieve the selected color.



```

Dim fore As Color = Color.Black

If radRed.Checked Then
    fore = Color.Red
ElseIf radGreen.Checked Then
    fore = Color.Green
ElseIf radBlue.Checked Then
    fore = Color.Blue
End If

lblResult.ForeColor = fore

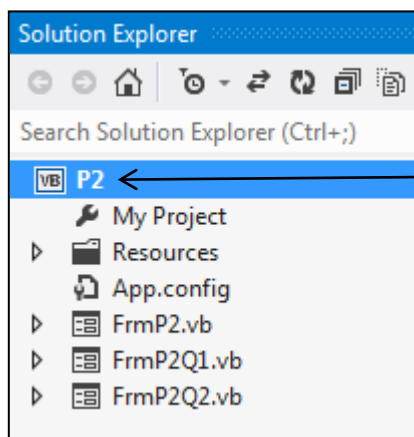
```

- When the **[Clear]** Button is clicked, empty the **[Name]** TextBox and the output Label. Reset the selected color to **[Red]**. Focus on the **[Name]** TextBox.
- When the **[Exit]** Button is clicked, close the Form.

Q2.

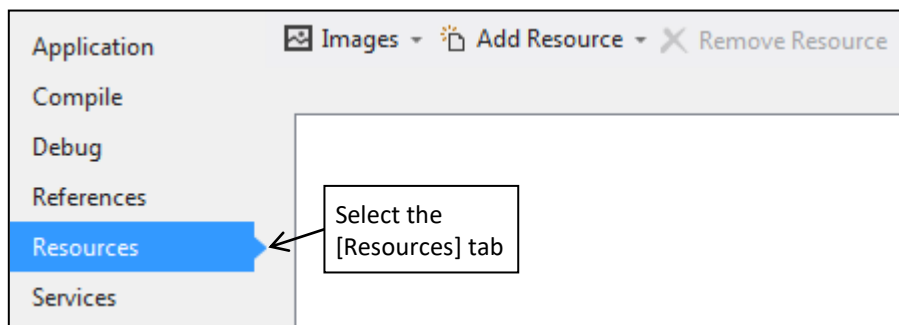
- In [Solution Explorer], select the Project and press [Alt + Enter]. This will open the [Project Properties] window.

NOTE: Alternatively, you can right-click on the Project and select [Properties].



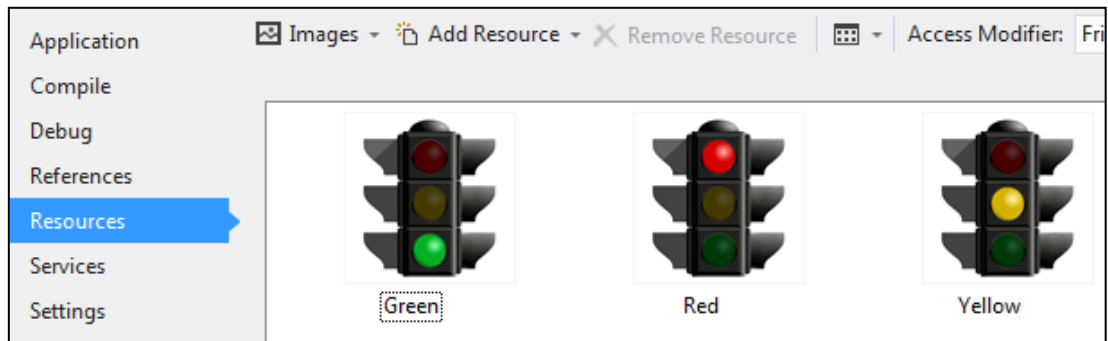
Select the Project and press [Alt + Enter] to open the [Project Properties] window

- In [Project Properties] window, select the [Resources] tab.



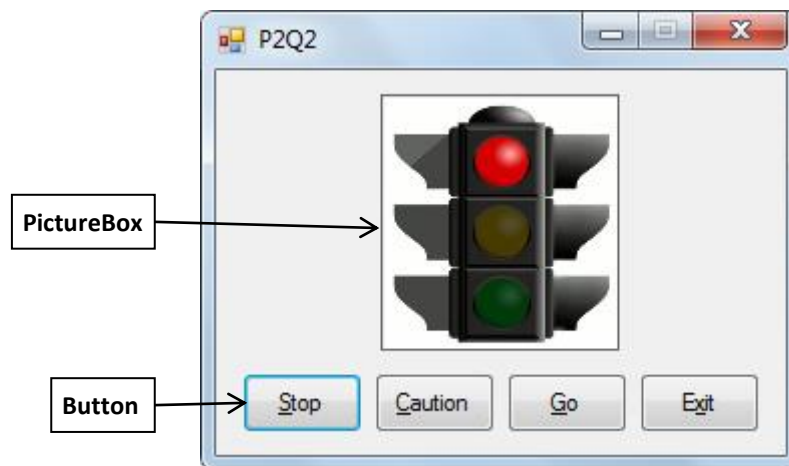
Select the [Resources] tab

- Drag-and-drop the given 3 images (in the [Images] folder) into the resource panel. 3 image resources named **[Green]**, **[Red]** and **[Yellow]** will be added to the project.



NOTE: By default, project resources are named based on their original filenames. You can rename the project resources if wanted to.

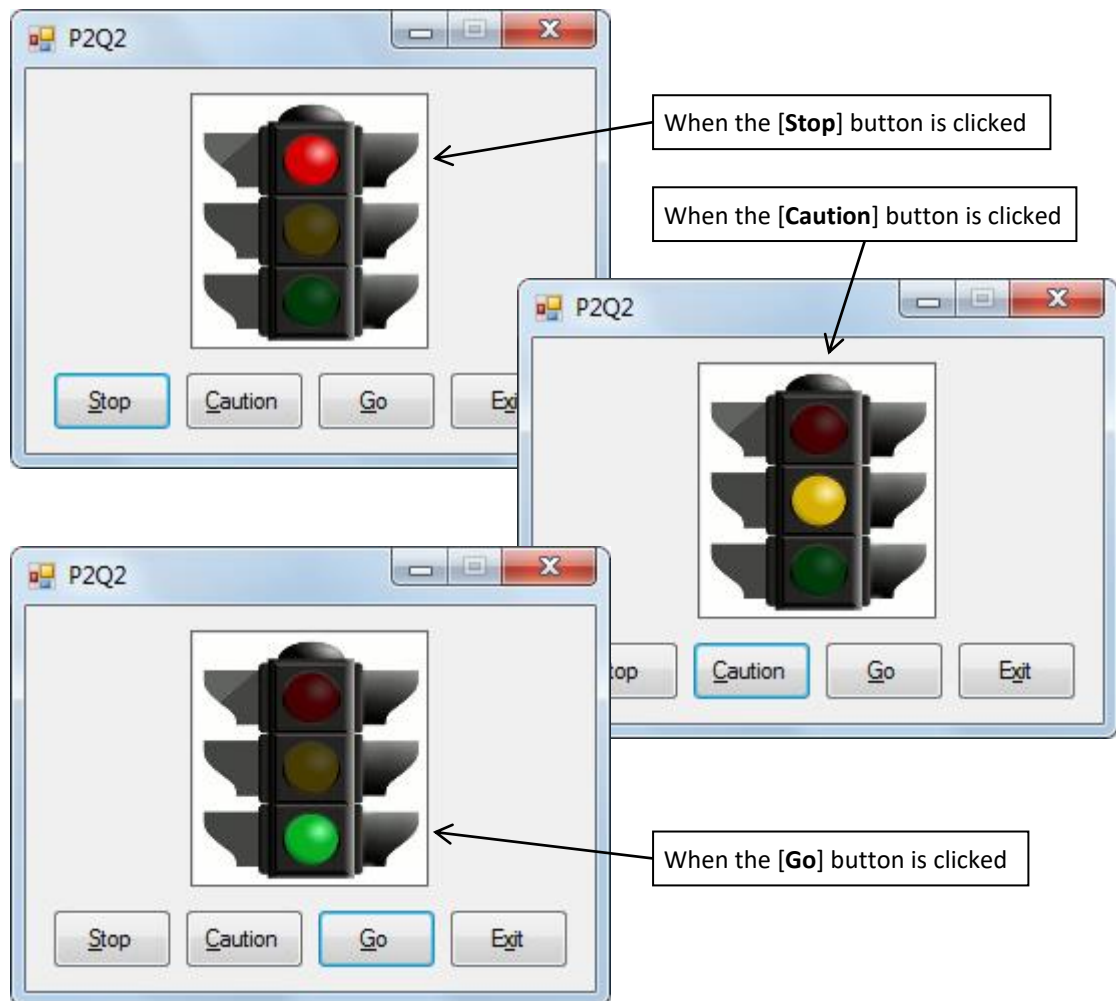
- Create a Form with the following layout. Name the controls accordingly based on the agreed VB.NET naming convention.



- Make the Form not resizable. Ensure that the [**Exit**] Button will be activated when the [Esc] key is pressed.
- Ensure the tab order is appropriate. Assign appropriate keyboard access key to the relevant controls.
- The default image resource displayed in the PictureBox is [**Red**]. Stretch the image.
- Program the event handler for the [**Stop**], [**Caution**] and [**Go**] Buttons. When each of these Buttons is clicked, the image resource [**Red**], [**Yellow**] and [**Blue**] will be displayed in the PictureBox respectively.

The following code snippet demonstrates how to assign an image resource to a PictureBox.

```
picLight.Image = My.Resources.Red
```



- When the [Exit] Button is clicked, close the Form.