

LAB GOALS

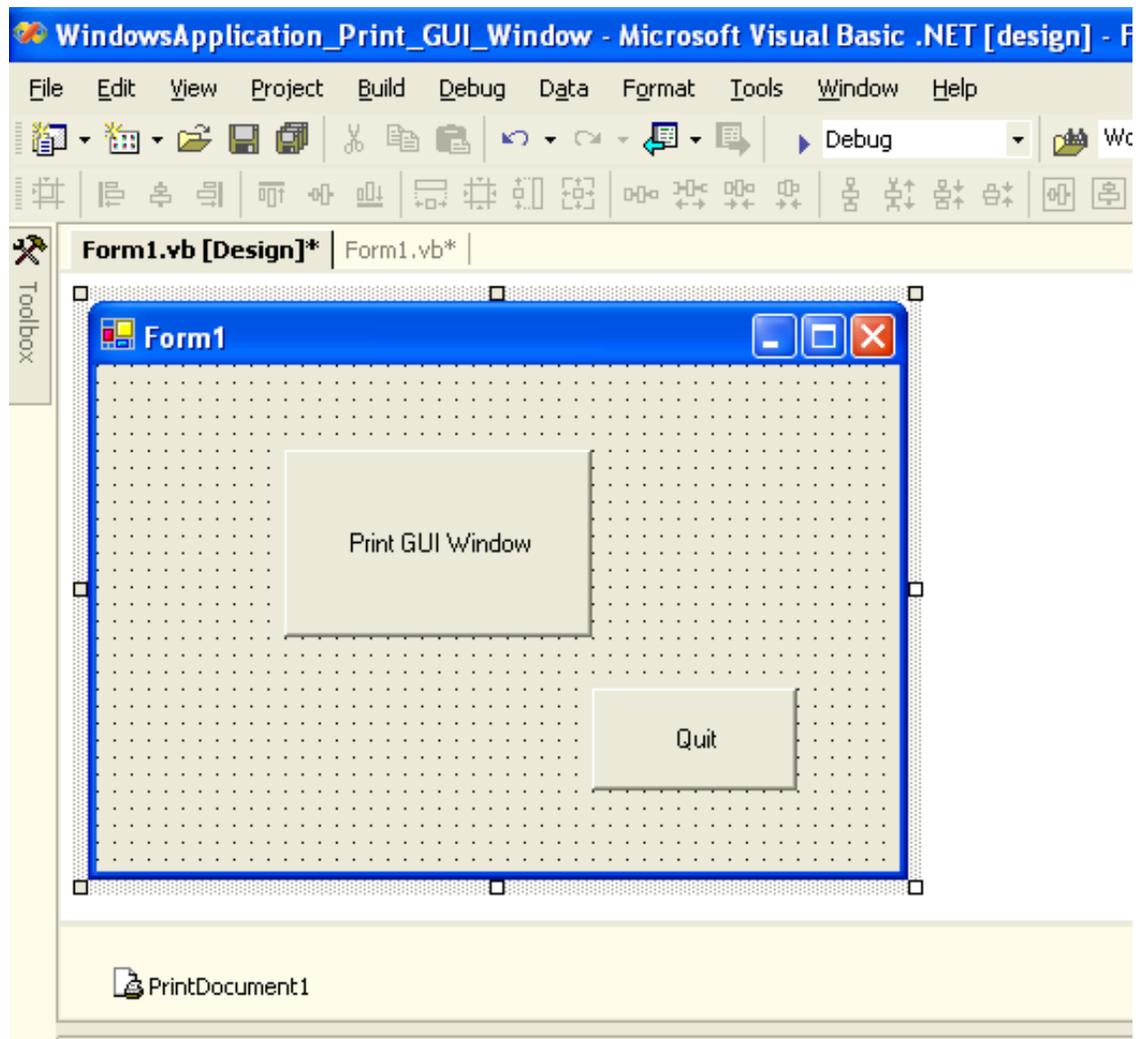
Printing the Form

The following code segment should be inserted in your program “AS IS” in order for the print module to work correctly.

Step1: Create a user interface similar to the one shown. Using the toolbox, add two Buttons, and a PrintDocument control to your form.

Step2: Double click the “Quit” button, and code the event handler.

Step 3: Double click the “Print GUI Window” button and enter the following code in its event handler.



```
'Print the current form
CaptureScreen()
PrintDocument1.Print()
```

Step 4: Copy the code below and place it above the event handler for the Quit button.

```
'-----  
'Print Screen  
'-----  
'This example prints a copy of the current form.  
  
Private Declare Function BitBlt Lib "gdi32.dll" Alias "BitBlt" (ByVal _  
    hdcDest As IntPtr, ByVal nXDest As Integer, ByVal nYDest As _  
    Integer, ByVal nWidth As Integer, ByVal nHeight As Integer, ByVal _  
    hdcSrc As IntPtr, ByVal nXSrc As Integer, ByVal nYSrc As Integer, _  
    ByVal dwRop As System.Int32) As Long  
  
'-----  
  
Dim memoryImage As Bitmap  
  
'-----  
  
Private Sub CaptureScreen()  
    Dim mygraphics As Graphics = Me.CreateGraphics()  
    Dim s As Size = Me.Size  
    memoryImage = New Bitmap(s.Width, s.Height, mygraphics)  
    Dim memoryGraphics As Graphics = Graphics.FromImage(memoryImage)  
    Dim dc1 As IntPtr = mygraphics.GetHdc  
    Dim dc2 As IntPtr = memoryGraphics.GetHdc  
    BitBlt(dc2, 0, 0, Me.ClientRectangle.Width, _  
        Me.ClientRectangle.Height, dc1, 0, 0, 13369376)  
    mygraphics.ReleaseHdc(dc1)  
    memoryGraphics.ReleaseHdc(dc2)  
End Sub  
  
'-----  
Private Sub PrintDocument1_PrintPage(ByVal sender As System.Object, _  
    ByVal e As System.Drawing.Printing.PrintPageEventArgs) _  
    Handles PrintDocument1.PrintPage  
    e.Graphics.DrawImage(memoryImage, 0, 0)  
End Sub
```

Step 5: Compile and Run your program. Now, press the “Print GUI Window” Button.