

# EMAN ASAD LAB 5 IAD

.VB

```
Imports System.Web.UI

Partial Class _Default
    Inherits Page

    Public Sub ImageButton_Click(ByVal sender As Object, ByVal e As
    ImageClickEventArgs)
        ' Get the center coordinates of the circle (modify with your actual values)
        Dim x_center As Integer = 100
        Dim y_center As Integer = 100

        ' Get the radius of the circle (modify with your actual value)
        Dim radius As Integer = 50

        ' Calculate the Cartesian coordinates of the click
        Dim x_click As Integer = e.X
        Dim y_click As Integer = e.Y

        ' Calculate the distance from the center to the click point
        Dim distance As Double = Math.Sqrt((x_click - x_center) ^ 2 + (y_click -
y_center) ^ 2)

        ' Check which quadrant the click falls into
        Dim quadrant As String = ""
        If distance < 100 Then
            If x_click > x_center Then
                If y_click > y_center Then
                    quadrant = "Yellow"
                Else
                    quadrant = "Blue"
                End If
            Else
                If y_click > y_center Then
                    quadrant = "Green"
                Else
                    quadrant = "Red"
                End If
            End If
            ' Display the result
            Label1.Text = "You clicked in " & quadrant & ". Distance from center: "
& distance.ToString()
        Else
    
```

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        Label1.Text = "You clicked outside & Distance from center: " &
distance.ToString()

    End If

End Sub

Protected Sub Page_PreRender(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.Init
    'Text1.Value &= "<br>Page Init"
    If Me.IsPostBack = False Then
        'Text1.Value = "It is confirmed that page initialization has occurred
during FIRST REQUEST"
    Else
        'Text1.Value = "It is confirmed that page initialization has occurred
during POSTBACK"
    End If
End Sub
End Class

```

## ASPX

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Default.aspx.vb"
Inherits="_Default" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" >
<head>
    <title>ImageButton Sample</title>
    <script type="text/javascript">
        function getButtonCoordinates(event) {
            var x_click = event.clientX;
            var y_click = event.clientY;
            document.getElementById('<%= msg.ClientID %>').innerHTML = 'You clicked
at X: ' + x_click + ', Y: ' + y_click;
            event.preventDefault()
        }
    </script>
</head>

<body>
    <form id="form1" runat="server">
        <h3>Rectangle Sample</h3>

        <asp:Button ID="Button1" runat="server"
            style="background: Grey;
            height:100px;
            width:200px;
            border:none"
            OnClientClick="getButtonCoordinates(event); return true;" />

        <strong id="msg" runat="server"></strong><br />

        <h3>ImageButton Sample</h3>
    </form>
</body>
</html>

```

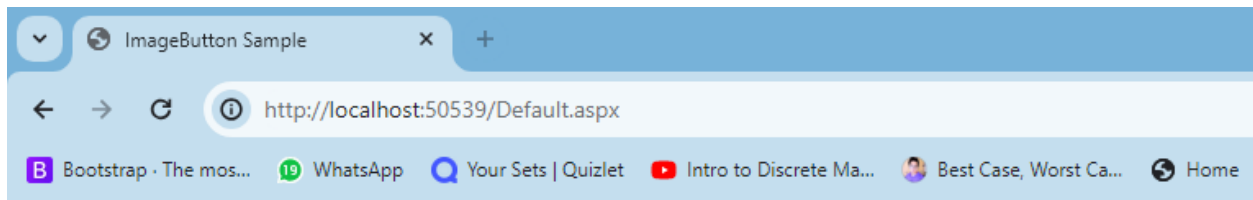
Click anywhere on the image.<br /><br />

```
<asp:ImageButton id="imagebutton1" runat="server"
  AlternateText="ImageButton 1"
  ImageAlign="left"
  ImageUrl="https://i.ibb.co/Wx6vWMS/circle.png"
  OnClick="ImageButton_Click"/>

<br /><br />

<asp:Label id="Label1" runat="server"/>

</form>
</body>
</html>
```



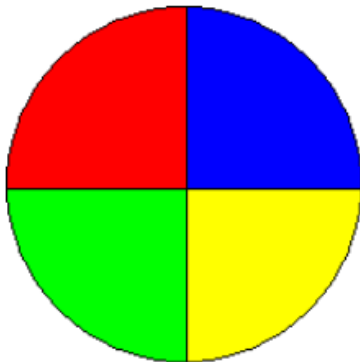
### Rectangle Sample



You clicked at X: 127, Y: 111

### ImageButton Sample

Click anywhere on the image.



You clicked in Green. Distance from center: 54.4058820349418