

Internet Application Development

Lab - 05



Submitted to

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Problem 2)

Default.aspx:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Default.aspx.vb"
Inherits="_Default" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>Color Detector</title>
  <style>
    body {
      font-family: 'Arial', sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
      text-align: center;
    }
    #container {
      max-width: 600px;
      margin: 20px auto;
      background-color: #fff;
      padding: 20px;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }
    h1 {
      color: #333;
    }
    #image {
      width: 100%;
      max-width: 300px;
      height: auto;
      border-radius: 5px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
      margin-bottom: 20px;
    }
    #Result {
      font-size: 18px;
      color: #27ae60;
      font-weight: bold;
    }
  </style>
</head>
<body>
  <form id="form1" runat="server">
    <div id="container">
      <h1>Color Detector.</h1>
      <input type="image" runat="server" id="image" src="circle.jpg" />
      <div id="Result" runat="server"></div>
    </div>
  </form>
</body>
</html>
```

Default.aspx.vb:

```
Partial Class _Default
    Inherits System.Web.UI.Page
    Private Sub image_ServerClick(sender As Object, e As ImageClickEventArgs) Handles
image.ServerClick
        Dim x, y As Int32
        x = (e.X) - 150
        y = ((e.Y) - 150) / -1
        Result.InnerText = "You clicked at (" & x.ToString() & ", " & y.ToString() & ")."
        "

        Dim r As Double = Math.Sqrt(x ^ 2 + y ^ 2)
        Dim theta As Double = Math.Atan2(y, x)
        If r < 150 Then
            Result.InnerText &= " Inside Circle."
            If x > 0 And x < 150 And y > 0 And y < 150 Then
                Result.InnerText &= " You selected Yellow."
            ElseIf x < 0 And x > -150 And y > 0 And y < 150 Then
                Result.InnerText &= " You selected Red."
            ElseIf x < 0 And x > -150 And y < 0 And y > -150 Then
                Result.InnerText &= " You selected Blue."
            ElseIf x > 0 And x < 150 And y < 0 And y > -150 Then
                Result.InnerText &= " You selected Green."
            End If
        Else
            Result.InnerText &= "Outside Circle."
        End If
    End Sub
End Class
```

Output:

