

Internet Application Development

Lab 05

Source Code

Task 1.aspx:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="task 1.aspx.vb"
Inherits="_Default" %>
<!DOCTYPE html>
<head runat="server">
    <title>LAB 05 Task 1</title>
    <style>
body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
}

header {
    background-color: #343a40;
    color: #fff;
    padding: 20px 0;
    text-align: center;
}

.navbar {
    background-color: #778899;
    padding: 10px 0;
    text-align: center;
}

.navbar a {
    color: #e4ecf6;
    text-decoration: none;
    margin: 0 15px;
    padding: 5px 10px;
    border-radius: 5px;
    transition: background-color 0.3s ease;
}

.navbar a:hover {
    background-color: #0f233a;
}

.container {
    max-width: 600px;
    margin: 10px auto;
    padding: 20px;
    background-color: #f8f8f8;
    border: 1px solid #ddd;
    border-radius: 5px;
}
    </style>
</head>
<body>
    <div style="background-color: #f0f0f0; padding: 10px 0 0 0;">
        <div style="background-color: #343a40; color: #fff; padding: 20px 0; text-align: center;">
            <div style="background-color: #778899; padding: 10px 0; text-align: center;">
                <a href="#" style="color: #e4ecf6; text-decoration: none; margin: 0 15px; padding: 5px 10px; border-radius: 5px; transition: background-color 0.3s ease;">Home</a>
                <a href="#" style="color: #e4ecf6; text-decoration: none; margin: 0 15px; padding: 5px 10px; border-radius: 5px; transition: background-color 0.3s ease;">About</a>
                <a href="#" style="color: #e4ecf6; text-decoration: none; margin: 0 15px; padding: 5px 10px; border-radius: 5px; transition: background-color 0.3s ease;">Contact</a>
            </div>
            <div style="background-color: #f8f8f8; padding: 20px; border: 1px solid #ddd; border-radius: 5px; margin-top: 10px;">
                <h2 style="text-align: center; margin: 0;">Task 1</h2>
                <p style="text-align: center; margin: 5px 0 0 0;">This is the content of the page.</p>
            </div>
        </div>
    </div>
</body>
</html>
```

```

form {
    text-align: center;
}

.form-group {
    margin-bottom: 20px;
}

input {
    width: calc(80% - 20px);
    padding: 10px;
    border: 1px solid #ddd;
    border-radius: 5px;
}

</style>
</head>
<body>
    <header>
        <h1>Button Click</h1>
        <nav class="navbar">
            <a href="task 1.aspx">Task 1</a>
            <a href="task 2.aspx">Task 2</a>
        </nav>
    </header>
    <main>
        <div class="container">
            <form id="form1" runat="server">
                <div>
                    <asp:ImageButton ID="ImageButton1" runat="server" src="img.jpeg"/>
                    <div ID="Result" runat="server"></div>
                </div>
            </form>
        </div>
    </main>
</body>
</html>

```

Task 1.aspx.vb:

```

Partial Class _Default
    Inherits System.Web.UI.Page

    Private Sub ImageButton1_Click(sender As Object, e As ImageClickEventArgs) Handles
ImageButton1.Click
        Result.InnerText = "You clicked at (" & e.X.ToString() & ", " & e.Y.ToString() &
").. "
        If e.Y < 163 And e.Y > 34 And e.X > 32 And e.X < 447 Then
            Result.InnerText &= "You clicked on the button surface."
        Else
            Result.InnerText &= "You clicked the button border."
        End If
    End Sub
End Class

```

Task 2.aspx:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="task 2.aspx.vb"
Inherits="_Default" %>
```

```
<!DOCTYPE html>
<head runat="server">
  <title>Lab 05 Task 2</title>
  <style>body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
  }

  header {
    background-color: #343a40;
    color: #fff;
    padding: 20px 0;
    text-align: center;
  }

  .navbar {
    background-color: #778899;
    padding: 10px 0;
    text-align: center;
  }

  .navbar a {
    color: #e4ecf6;
    text-decoration: none;
    margin: 0 15px;
    padding: 5px 10px;
    border-radius: 5px;
    transition: background-color 0.3s ease;
  }

  .navbar a:hover {
    background-color: #0f233a;
  }

  .container {
    max-width: 600px;
    margin: 10px auto;
    padding: 20px;
    background-color: #f8f8f8;
    border: 1px solid #ddd;
    border-radius: 5px;
  }

  form {
    text-align: center;
  }

  .form-group {
    margin-bottom: 20px;
  }

</style>
```

```

</head>
<body>
  <header>
    <h1>Guess Circle Region</h1>
    <nav class="navbar">
      <a href="task 1.aspx">Task 1</a>
      <a href="task 2.aspx">Task 2</a>
    </nav>
  </header>
  <main>
    <div class="container">
      <form id="form1" runat="server">
        <div>
          <asp:ImageButton ID="ImageButton1" runat="server" src="image.jpeg"/>
          <div id="Output" runat="server"></div>
        </div>
      </form>
    </div>
  </main>
</body>
</html>

```

Task 2.aspx.vb:

Partial Class _Default

Inherits System.Web.UI.Page

```

Private Sub ImageButton1_Click(sender As Object, input As ImageClickEventArgs)
Handles ImageButton1.Click
  Dim C_x As Integer
  Dim C_y As Integer
  C_x = input.X - 100
  C_y = 100 - input.Y
  Output.InnerHtml = "<div style='text-align: left;'" &
    "<p><strong>Screen Coordinate System:</strong> (" & input.X.ToString()
& ", " & input.Y.ToString() & ")</p>" &
    "<p><strong>Cartesian Coordinate System:</strong> (" & C_x.ToString()
& ", " & C_y.ToString() & ")</p>" &
    "</div>"

  Dim Circle_radius As Decimal = 98.0
  Dim Point_radius As Decimal
  Point_radius = Math.Sqrt(C_x * C_x + C_y * C_y)

  If Point_radius <= Circle_radius Then
    If C_x > 0 And C_y > 0 Then
      Output.InnerHtml &= "You have clicked <strong>inside</strong> the circle
in the <strong>BLUE</strong> region."
    ElseIf C_x < 0 And C_y < 0 Then
      Output.InnerHtml &= "You have clicked <strong>inside</strong> the circle
in the <strong>GREEN</strong> region."
    ElseIf C_x < 0 And C_y > 0 Then
      Output.InnerHtml &= "You have clicked <strong>inside</strong> the circle
in the <strong>RED</strong> region."
    ElseIf C_x > 0 And C_y < 0 Then

```

```
        Output.InnerHtml &= "You have clicked <strong>inside</strong> the circle  
in the <strong>YELLOW</strong> region."  
    End If  
Else  
    Output.InnerHtml &= "You have clicked <strong>outside</strong> the circle."  
End If  
End Sub  
End Class
```