Internet Application Development Lab No 6(C):

Rao Abdul Saboor

Demonstration of Dynamic Web Control
Develop a web form that records all page processing events in a list box.

- **Default.aspx**

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Default.aspx.vb"
Inherits="_Default" %>
<html>
<head runat="server">
 <title>Event Tracker</title>
</head>
<body>
 <form method="post" runat="server">

   <h3>Controls being monitored for change events:</h3>
   <asp:TextBox id="txt" runat="server" AutoPostBack="True" />
   <br /><br />
   <asp:CheckBox id="chk" runat="server" AutoPostBack="True" />
   <br /><br />
   <asp:RadioButton id="opt1" runat="server" GroupName="Sample"
     AutoPostBack="True" />
   <asp:RadioButton id="opt2" runat="server" GroupName="Sample"
     AutoPostBack="True" /><br /><br />
    <h3>List of events:</h3>

<asp:ListBox id=lstEvents runat="server" Width="355px"
   Height="505px" />
 </form>
</body>
</html>
```

- **Default.aspx.vb**

Imports System.Web.UI

Partial Class _Default
    Inherits Page

    Protected Sub Page_Load(ByVal sender As Object,
      ByVal e As EventArgs) Handles Me.Load
        Log("<< Page_Load >>")
    End Sub
    Protected Sub Page_PreRender(ByVal sender As Object,
      ByVal e As EventArgs) Handles Me.PreRender
        ' When the Page.UnLoad event occurs it is too late
        ' to change the list.
        Log("Page_PreRender")
    End Sub
    ' This control handles an event from all four controls.
    Protected Sub CtrlChanged(ByVal sender As Object,
      ByVal e As System.EventArgs) _
      Handles chk.CheckedChanged, opt1.CheckedChanged, opt2.CheckedChanged,
            txt.TextChanged
        ' Find the control ID of the sender.
        ' This requires converting the Object type into a Control class.
        Dim ctrlName As String = CType(sender, Control).ID
        Log(ctrlName & " Changed")
    End Sub
    Private Sub Log(ByVal entry As String)
        lstEvents.Items.Add(entry)
        ' Select the last item to scroll the list so the most recent
        ' entries are visible.
        lstEvents.SelectedIndex = lstEvents.Items.Count - 1
    End Sub

End Class

- **Output**

Controls being monitored for change events:

testing

☐

○ ●

List of events:

```
<< Page_Load >>
Page_PreRender
<< Page_Load >>
chk Changed
Page_PreRender
<< Page_Load >>
opt2 Changed
Page_PreRender
<< Page_Load >>
chk Changed
Page_PreRender
<< Page_Load >>
txt Changed
Page_PreRender
```

Controls being monitored for change events:

☐

○ ○

List of events:

```
<< Page_Load >>
Page_PreRender
```