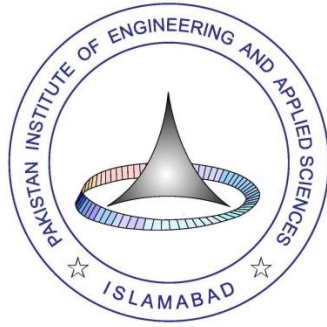*Pakistan Institute of Engineering and Applied Sciences, Islamabad*

Department of Computer and Information Science

Internet Application Development

Lab Assignment no. 06

Submitted By

Huma Amin

Session (21-25)

Problem 03:

Develop a web form that records all page processing events in a list box.

EventTracker.aspx:

```
<%@ Page Language="VB" AutoEventWireup="false"

  CodeFile="EventTracker.aspx.vb" Inherits="EventTracker" %>

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

 <title>Event Tracker</title>

</head>

<body>

 <form runat="server">

  <div>

   <h1>Controls being monitored for change events:</h1>

   <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" />

   <h1>List of events:</h1>

   <asp:ListBox ID="lstEvents" runat="server" Width="355px"

   Height="150px" /><br />

   <br /><br /><br />
```

```
    </div>

  </form>

</body>

</html>
```

EventTracker.aspx.vb:

```vb
Partial Public Class EventTracker

  Inherits System.Web.UI.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.PreRender 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
```

```vbnet
        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
```