

Internet Application Development Lab-06



Submitted to
Dr Haneef Durad
DCIS, PIEAS

Submitted By
Muhammad Aly Yousaf

Date of Submission
13th March, 2024

**Department of Computer & Information Sciences,
PIEAS, Islamabad, Pakistan**

Problem 1) Develop an asp.net page that displays a list of options with check boxes (Use CheckBoxList web control).

On clicking a button (web control) the page displays the selected options in a label control.

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>CheckBox</title>
</head>
<body>
    <form id="form1" runat="server">
        Choose your favourite programming language<br /><br />
        <asp:CheckBoxList id="chk1st" runat="server" /><br /><br />
        <asp:Button id="cmdok" Text="ok" runat="server" /><br /><br />
        <asp:label ID="lblResult" runat="server" />
    </form>
</body>
</html>
```

Default.aspx.vb

Partial Class _Default

Inherits System.Web.UI.Page

Protected Sub Page_load(ByVal sender As Object, ByVal e As EventArgs) Handles MyBase.Load

If Me.IsPostBack = False Then

chk1st.Items.Add("C")

chk1st.Items.Add("C++")

chk1st.Items.Add("C#")

chk1st.Items.Add("Visual Basic")

chk1st.Items.Add("VB.NET")

chk1st.Items.Add("Pascal")

End If

End Sub

Protected Sub cmdok_Click(ByVal sender As Object, ByVal e As EventArgs) Handles cmdok.Click

lblResult.Text = "You choose: "

Dim lstitem As ListItem

For Each lstitem In chk1st.Items

If lstitem.Selected = True Then

lblResult.Text &= "
" & lstitem.Text

End If

Next

lblResult.Text &= ""

End Sub

End Class

Problem 2) Develop a page that displays two text boxes and a button web control. The textboxes are used to capture number of rows and number of columns from user.

- (a) On clicking button, generate a table with r rows and c columns. In each cell display row,col values.
- (b) Optionally add features of border and image in each cell.

Default1.aspx

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="Default2.aspx.vb"
Inherits="_Default2" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
  <link rel="stylesheet" href="styles1.css">
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <asp:TextBox ID="txtRows" runat="server" placeholder="Enter number of
rows"></asp:TextBox><br /><br />
      <asp:TextBox ID="txtCols" runat="server" placeholder="Enter number of
columns"></asp:TextBox><br /><br />
      <asp:CheckBox ID="chkBorder" runat="server" Text="Add Border" /><br /><br />
      <asp:Button ID="cmdCreate" runat="server" Text="Create Table" OnClick="cmdCreate_Click"
/>
      <br /><br />
      <asp:Table ID="tbl" runat="server"></asp:Table>
    </div>
  </form>
</body>
</html>
```

Default1.aspx.vb

```
Imports System.Web.UI.WebControls
```

```
Public Class _Default2
```

```
  Inherits Page
```

```
  Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles Me.Load
```

```
    ' Configure the table's appearance on page load
    ' You can adjust appearance settings here if needed
```

```
  End Sub
```

```
  Protected Sub cmdCreate_Click(ByVal sender As Object, ByVal e As EventArgs)
```

```
    ' Reference controls using their IDs from the .aspx file
    Dim tbl As Table = CType(Me.FindControl("tbl"), Table) ' Access the table control
using its ID
    Dim txtRows As TextBox = CType(Me.FindControl("txtRows"), TextBox) ' Access the
txtRows TextBox using its ID
    Dim txtCols As TextBox = CType(Me.FindControl("txtCols"), TextBox) ' Access the
txtCols TextBox using its ID
    Dim chkBorder As CheckBox = CType(Me.FindControl("chkBorder"), CheckBox) ' Access the
chkBorder CheckBox using its ID
```

```
    ' Clear the table before generating a new one
    tbl.Controls.Clear()
```

```

Dim row, col As Integer
Dim rowCount As Integer = Integer.Parse(txtRows.Text)
Dim colCount As Integer = Integer.Parse(txtCols.Text)

For row = 0 To rowCount - 1
    ' Create a new TableRow object
    Dim rowNew As New TableRow()

    ' Put the TableRow in the Table
    tbl.Controls.Add(rowNew)

    For col = 0 To colCount - 1
        ' Create a new TableCell object
        Dim cellNew As New TableCell()

        ' Create a new Label object
        Dim lblNew As New Label()
        lblNew.Text = "Cell (" & row.ToString() & ", " & col.ToString() & ") "

        ' Put the label and picture in the cell
        cellNew.Controls.Add(lblNew)

        ' Optionally adjust border style and width
        If chkBorder.Checked Then
            cellNew.BorderStyle = BorderStyle.Inset
            cellNew.BorderWidth = Unit.Pixel(5)
        End If

        ' Put the TableCell in the TableRow
        rowNew.Cells.Add(cellNew)
    Next
Next
End Sub
End Class

```

Problem 3) Develop a web form that records all page processing events in a list box as shown below.

Default2.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></title>
</head>
<body>
    <form id="form1" runat="server">
        <h3>Controls Being monitored for controls events:</h3>
        <asp:TextBox ID="txt" runat="server" AutoPostBack="true" />
        <br />
        <asp:CheckBox ID="chk" runat="server" AutoPostBack="true" />
        <br />
        <asp:Radiobutton ID="opt1" runat="server" AutoPostBack="true" GroupName="Sample" />
        <asp:Radiobutton ID="opt2" runat="server" AutoPostBack="true" GroupName="Sample" />
        <br />
        <h3>Events</h3>
        <asp:listbox ID="lstEvents" runat="server" width="400px" Height="500px" />
        <br />
    </form>
</body>
</html>

```

Default.aspx.vb

```
Partial Class _Default
    Inherits System.Web.UI.Page

    Protected Sub Page_Load(ByVal sender As Object, ByVal e As EventArgs) Handles
    MyBase.Load

        Log("<< Page_Load >>")

    End Sub

    Protected Sub Page_PreRender(ByVal sender As Object, ByVal e As EventArgs) Handles
    MyBase.PreRender

        ' When the Page.UnLoad event occurs it is too late to change the list.

        Log("Page_PreRender")

    End Sub

    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
```