

Laboratory Module 6

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.

Sample User Interaction



Choose your favorite programming languages:

- C
- C++
- C#
- Visual Basic 6.0
- VB.NET
- Pascal

OK



Choose your favorite programming languages:

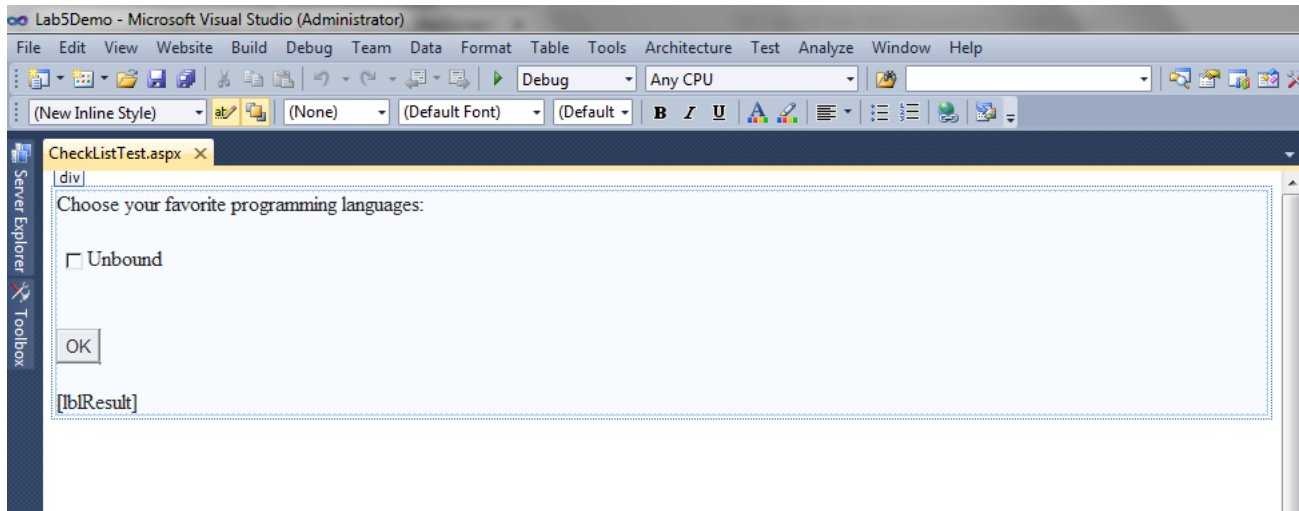
- C
- C++
- C#
- Visual Basic 6.0
- VB.NET
- Pascal

OK

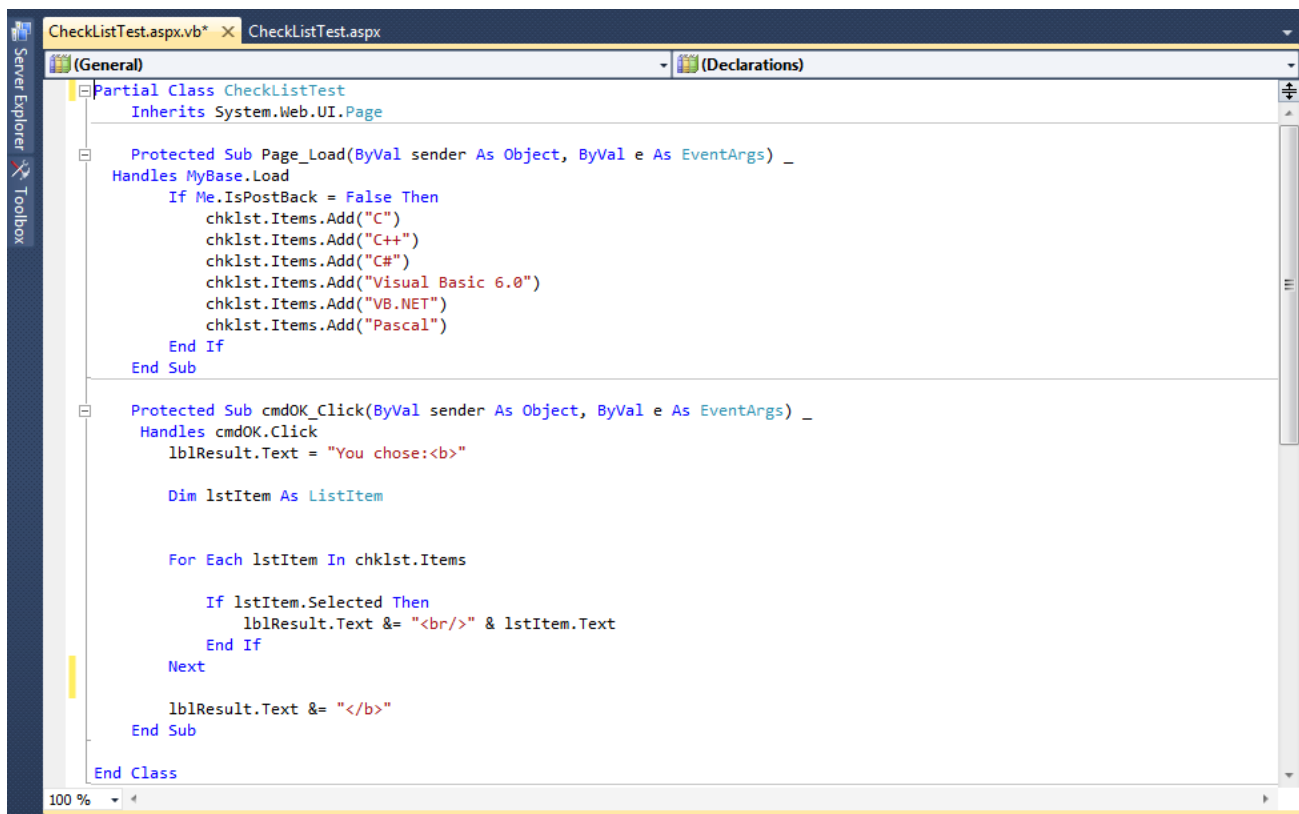
You chose:

C
Pascal

Solution) .aspx page



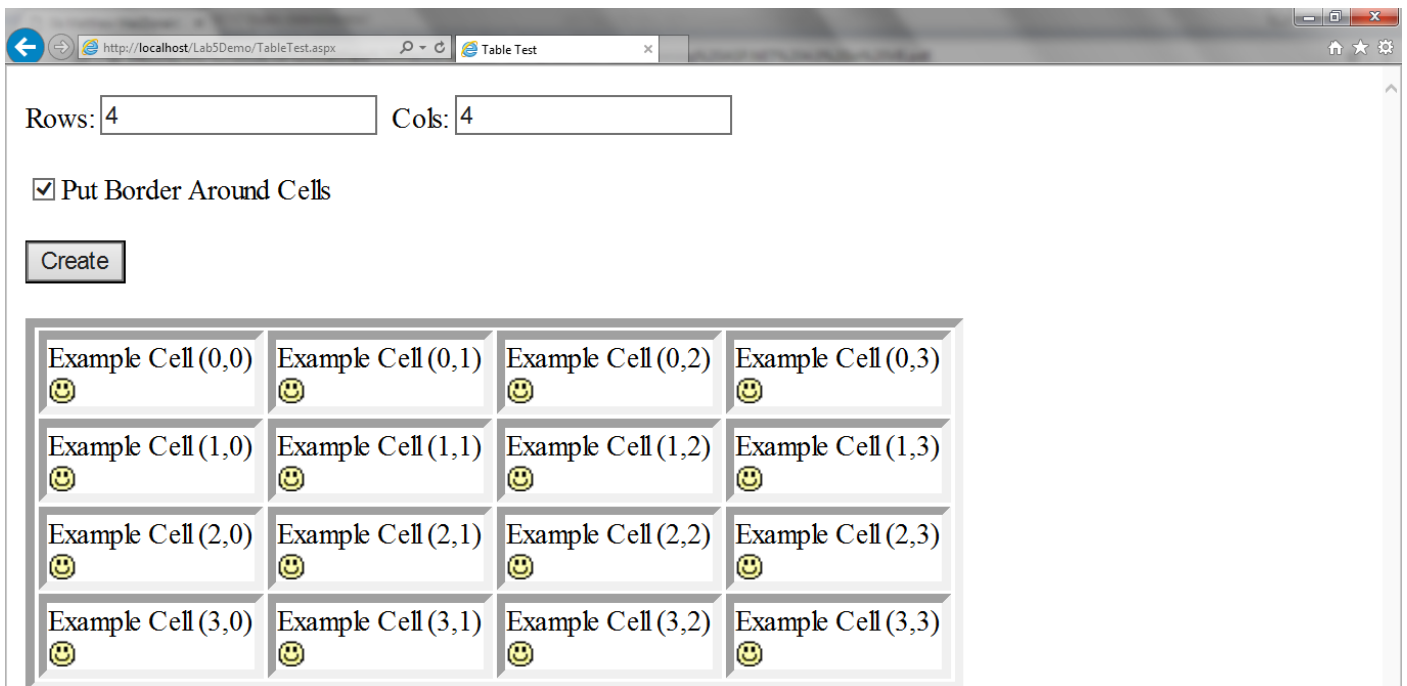
Code behind file



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.

Following figure shows a table with 4 rows and 4 columns.



Solution)

Code behind (Pseudo code)

Page Load Event Handler (Pseudo code)

- (i) Configure the table's appearance. This could also be performed in the .aspx file, or in the cmdCreate_Click event handler.

cmdCreate Click Event Handler (Pseudo code)

- (i) Clear table.
- (ii) Iteratively create a new TableRow object.
- (iii) Put the TableRow in the Table.
- (iv) Iteratively create a new TableCell object.
- (v) Create a new Label object. Display row, col numbers on label.
- (vi) Add label and image in cell.
- (vii) Optionally adjusted border style and width
- (viii) Put the TableCell in the TableRow.

cmdCreate Click Event Handler (Code)

```
tbl.Controls.Clear( )
```

(Is it necessary to clear table here?)

```
Dim row, col As Integer
```

```
For row = 0 To Val(txtRows.Text - 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 Val(txtCols.Text - 1)
```

```
' Create a new TableCell object.
```

```
Dim cellNew As New TableCell()
```

```
' Create a new Label object.
```

```
Dim lblNew As New Label()
```

```
lblNew.Text = "Example Cell (" & row.ToString() & "," & col.ToString() & ")<br />"
```

```
Dim imgNew As New Image()
```

```
imgNew.ImageUrl = "cellpic.png"
```

```
' Put the label and picture in the cell.
```

```
cellNew.Controls.Add(lblNew)
```

```
cellNew.Controls.Add(imgNew)
```

```
If chkBorder.Checked = True Then
```

```
    cellNew.BorderStyle = BorderStyle.Inset
```

```
    cellNew.BorderWidth = Unit.Pixel(5)
```

```
End If
```

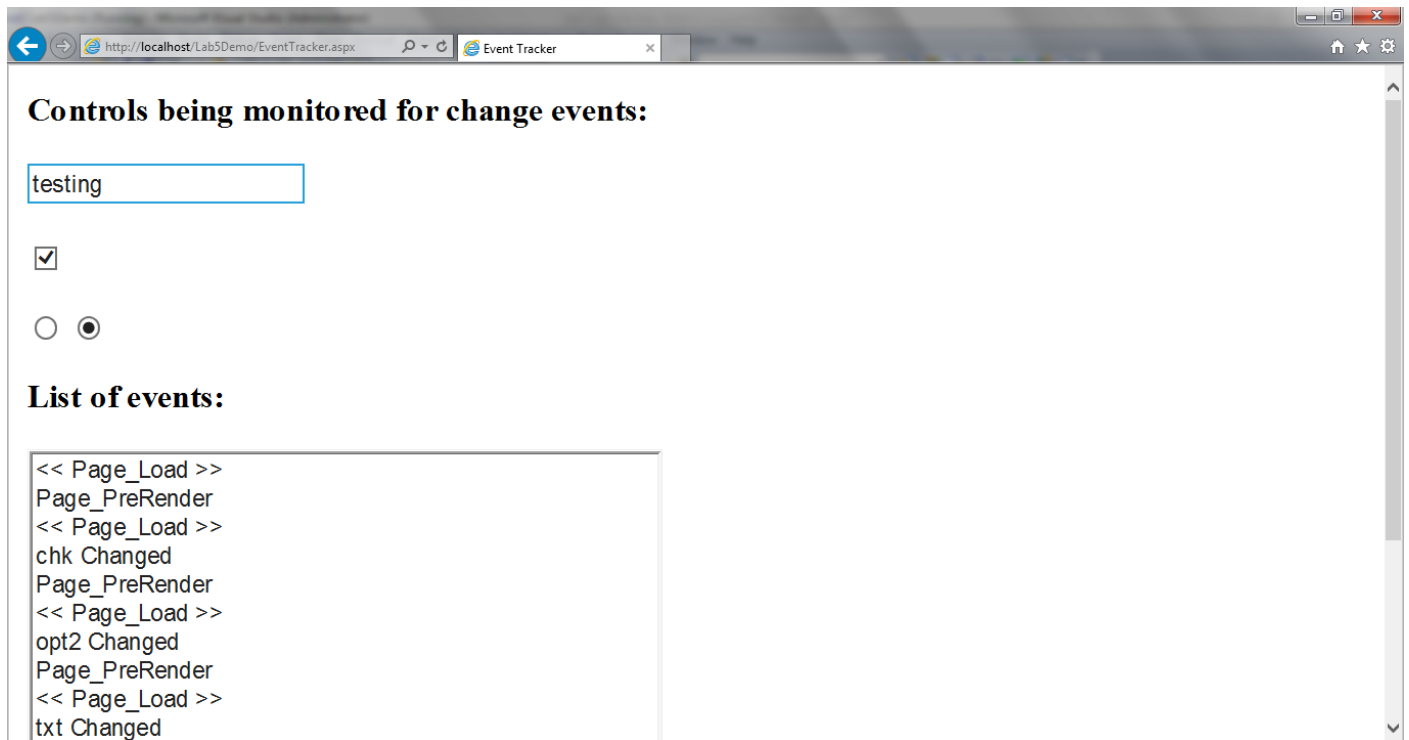
```
' Put the TableCell in the TableRow.
```

```
rowNew.Controls.Add(cellNew)
```

```
Next
```

```
Next
```

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

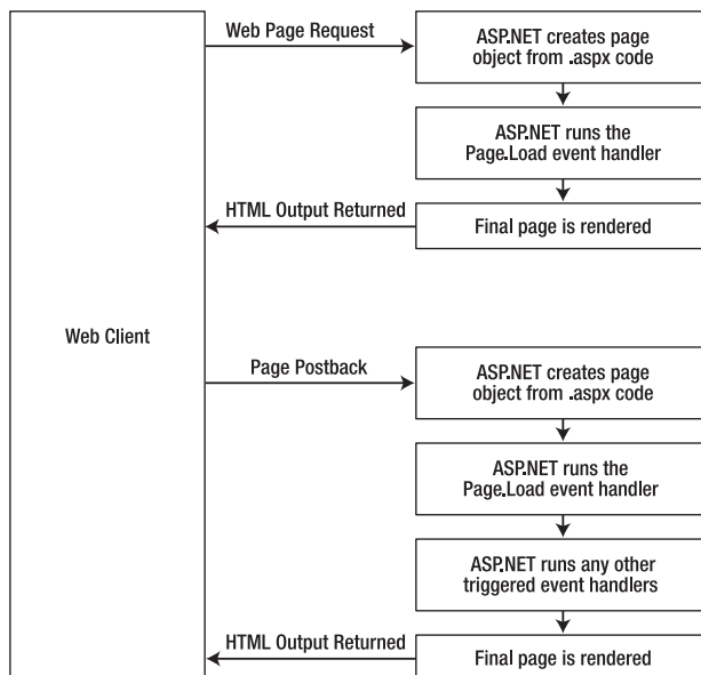


References:

Note: This problem is in continuation with Lab No 2:
Demonstration of ASP.NET Page Processing

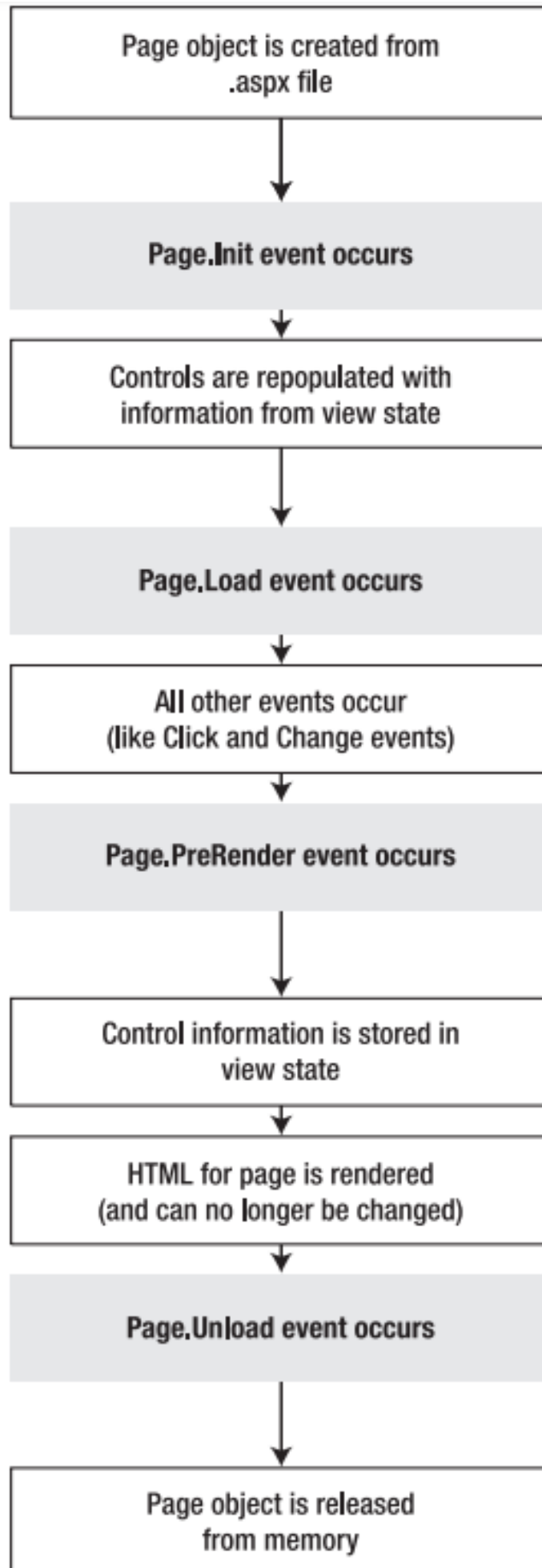
(a) Refer to book page 187

(b) Web Control Events and AutoPostBack



(c) Automatic postback feature

(d) Table 6-5. Web Control Events



(e) Read about “How Postback Events Works?”

(f) The Page Life Cycle

Solution)

Book Page 192-4