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

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Choose your favorite programm	ing languages:					
□ C □ C++ □ C# □ Visual Basic 6.0 □ VB.NET □ Pascal						
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C) Attp://localhost/LabSDemo/CheckListTest.aspx	P → C	×	Canal Property in the local division of the			- 0 ×
Choose your favorite programm	ing languages:					
 ✓ C □ C++ □ C# □ Visual Basic 6.0 □ VB.NET ✓ Pascal 						
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You chose: C Pascal

Solution) .aspx page

🐱 Lab5Demo - Microsoft Visual Studio (Administrator)					
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Code behind file

(General)	- III (Declarations)	
Partial Class CheckListTest		
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		
chklst.Items.Add("C")		
chklst.Items.Add("C++")		
chklst.Items.Add("C#")		
chklst.Items.Add("Visual Bas	ic 6.0")	
<pre>chklst.Items.Add("VB.NET")</pre>		
chklst.Items.Add("Pascal")		
End If		
End Sub		
Protected Sub cmdOK Click(ByVal send	ler As Object, ByVal e As EventArgs)	
Handles cmdOK.Click		
<pre>lblResult.Text = "You chose:"</pre>		
Dim 1stItem As ListItem		
For Each lstItem In chklst.Items		
If lstItem.Selected Then		
<pre>lblResult.Text &= " ></pre>	" & lstItem.Text	
End If		
Next		
End Sub		
End Class		
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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.

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F	Rows: 4 Cols: 4				
[✓ Put Border Around Cells				
Create					
	Example Cell (0,0)	Example Cell(0,1)	Example Cell (0,2)	Example Cell (0,3)	
	Example Cell (1,0)	Example Cell (1,1)	Example Cell (1,2)	Example Cell (1,3)	
	Example Cell (2,0)	Example Cell (2,1)	Example Cell (2,2)	Example Cell (2,3)	
	Example Cell (3,0)	Example Cell (3,1)	Example Cell (3,2)	Example Cell (3,3)	

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() & '')
''

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.

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Controls being monitored for change events:	Â
testing	
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List of events:	
<< Page_Load >> Page_PreRender << Page Load >>	
chk Changed Page_PreRender	
opt2 Changed Page_PreRender	
<< Page_Load >> txt Changed	~

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