Internet Application Development Lab No 6(B):

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Demonstration of Dynamic Web Control
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.

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

- **Default.aspx**

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Default.aspx.vb"
Inherits="_Default" %>

<!DOCTYPE html>
<html>
<head runat="server">
  <title>Table Test</title>
</head>
<body>
  <form method="post" runat="server">
    Rows:
    <asp:TextBox id="txtRows" runat="server" /> 
    Cols:
    <asp:TextBox id="txtCols" runat="server" /><br /><br />
    <asp:CheckBox id="chkBorder" runat="server"
      Text="Put Border Around Cells" />
    <br /><br />
    <asp:Button id="cmdCreate" runat="server"
```

```
    Text="Create" /><br /><br />
    <asp:Table id="tbl" runat="server" />
  </form>
</body>
</html>
```

- **Default.aspx.vb**

```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

    tbl.BorderStyle = BorderStyle.Inset
    tbl.BorderWidth = Unit.Pixel(1)

  End Sub
  Protected Sub cmdCreate_Click(ByVal sender As Object,
    ByVal e As EventArgs) Handles cmdCreate.Click

    tbl.Controls.Clear()
    Dim i, j As Integer
    For i = 0 To Val(txtRows.Text - 1)
      Dim rowNew As New TableRow()
      tbl.Controls.Add(rowNew)
      For j = 0 To Val(txtCols.Text - 1)
        ' Create a new TableCell object.
        Dim cellNew As New TableCell()
        cellNew.Text = "Example Cell (" & i.ToString() & ","
        cellNew.Text &= j.ToString() & ")"
        If chkBorder.Checked = True Then
          cellNew.BorderStyle = BorderStyle.Inset
          cellNew.BorderWidth = Unit.Pixel(1)
        End If
        rowNew.Controls.Add(cellNew)

      Next
    Next

  End Sub

End Class
```

- **Output**

Rows: [＿＿＿＿＿＿＿] Cols: [＿＿＿＿＿＿＿]

☐ Put Border Around Cells

[Create]

.

Rows: [5＿＿＿＿＿＿] 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)
Example Cell (4,0)	Example Cell (4,1)	Example Cell (4,2)	Example Cell (4,3)