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Computer and Information Sciences

Internet Application Development

LAB Number: 09

Task: 01

Listbox.aspx

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

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
  <title>ListBox Page</title>
```

```
  <style type="text/css">
```

```
    .styled-listbox {
```

```
      width: 250px;
```

```
      height: 200px;
```

```
      font-size: 16px;
```

```
      padding: 8px;
```

```
      border: 2px solid #4CAF50;
```

```
      border-radius: 5px;
```

```
      background-color: #f8f8f8;
```

```
}

.styled-listbox option {

    padding: 4px;

}

.styled-listbox option:hover {

    background-color: #e9e9e9;

}

.styled-label {

    font-size: 18px;

    color: #333;

    margin-top: 15px;

    display: inline-block;

}

body {

    font-family: Arial, sans-serif;

    padding: 20px;

}

</style>

</head>

<body>

    <form id="form1" runat="server">

        <div>

            <asp:ListBox ID="ListBoxLanguages" runat="server" AutoPostBack="True"

                OnSelectedIndexChanged="ListBoxLanguages_SelectedIndexChanged"
```

```
        CssClass="styled-listbox">

        <asp:ListItem>Java</asp:ListItem>

        <asp:ListItem>JavaScript</asp:ListItem>

        <asp:ListItem>C#</asp:ListItem>

        <asp:ListItem>C</asp:ListItem>

        <asp:ListItem>PYTHON</asp:ListItem>

        <asp:ListItem>SQL</asp:ListItem>

        <asp:ListItem>HTML</asp:ListItem>

        <asp:ListItem>Css</asp:ListItem>

        <asp:ListItem>php</asp:ListItem>

    </asp:ListBox>

    <br /><br />

    <asp:Label ID="LabelIntro" runat="server" CssClass="styled-label"></asp:Label>

</div>

</form>

</body>

</html>
```

Listbox.aspx.vb

Imports System

Imports System.Collections.Generic

Partial Public Class listbox

Inherits System.Web.UI.Page

```

Protected Sub ListBoxLanguages_SelectedIndexChanged(sender As Object, e As EventArgs)
Handles ListBoxLanguages.SelectedIndexChanged

    Dim selectedLang As String = ListBoxLanguages.SelectedItem.Text

    Dim languageInfo As New Dictionary(Of String, String) From {

        {"Java", "Java is a high-level, general-purpose, object-oriented programming language."},

        {"JavaScript", "JavaScript is a programming language and core technology of the World
Wide Web"},

        {"C#", "C# is a general-purpose high-level programming language supporting multiple
paradigms."},

        {"C", "C is a foundational programming language"},

        {"PYTHON", "Python is known for its simplicity"},

        {"SQL", "SQL is a domain-specific language used to manage data, especially in a relational
database management system "},

        {"HTML", "Hypertext Markup Language is the standard markup language for documents
designed to be displayed in a web browser."},

        {"Css", "Cascading Style Sheets is a style sheet language used for specifying the
presentation and styling of a document."},

        {"php", "PHP is a server-side scripting language"}

    }

    If languageInfo.ContainsKey(selectedLang) Then

        LabelIntro.Text = languageInfo(selectedLang)

    End If

End Sub

End Class

```

Task: 02

DynamicTable.aspx

```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="DynamicTable.aspx.vb"
Inherits="DynamicTable" %>
```

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
<title>Dynamic Table</title>
```

```
<style type="text/css">
```

```
    .table-style {
```

```
        border-collapse: collapse;
```

```
        border: 2px solid red;
```

```
        margin-top: 20px;
```

```
    }
```

```
    .table-style td {
```

```
        padding: 8px;
```

```
        border: 1px solid black;
```

```
    }
```

```
    .last-row {
```

```
        background-color: grey;
```

```
    }
```

```
.controls {  
    margin-bottom: 20px;  
}  
  
</style>  
</head>  
<body>  
    <form id="form1" runat="server">  
        <div class="controls">  
            <asp:Label ID="lblRows" runat="server" Text="Number of Rows:"></asp:Label>  
            <asp:DropDownList ID="ddlRows" runat="server">  
                <asp:ListItem Text="1" Value="1"></asp:ListItem>  
                <asp:ListItem Text="2" Value="2"></asp:ListItem>  
                <asp:ListItem Text="3" Value="3"></asp:ListItem>  
                <asp:ListItem Text="4" Value="4"></asp:ListItem>  
                <asp:ListItem Text="5" Value="5"></asp:ListItem>  
            </asp:DropDownList>  
  
            <asp:Label ID="lblColumns" runat="server" Text="Number of Columns:"></asp:Label>  
            <asp:DropDownList ID="ddlColumns" runat="server">  
                <asp:ListItem Text="1" Value="1"></asp:ListItem>  
                <asp:ListItem Text="2" Value="2"></asp:ListItem>  
                <asp:ListItem Text="3" Value="3"></asp:ListItem>  
                <asp:ListItem Text="4" Value="4"></asp:ListItem>  
                <asp:ListItem Text="5" Value="5"></asp:ListItem>  
            </asp:DropDownList>  
        </div>  
    </form>  
</body>  
</html>
```

```
</asp:DropDownList>

    <asp:Button ID="btnGenerate" runat="server" Text="Generate Table"
OnClick="btnGenerate_Click" />

</div>

<div id="tableContainer" runat="server"></div>

</form>

</body>

</html>
```

DynamicTable.aspx.vb

Partial Class DynamicTable

Inherits System.Web.UI.Page

Protected Sub btnGenerate_Click(sender As Object, e As EventArgs) Handles
btnGenerate.Click

Dim rows As Integer = Integer.Parse(ddlRows.SelectedValue)

Dim columns As Integer = Integer.Parse(ddlColumns.SelectedValue)

tableContainer.Controls.Clear()

If rows > 0 AndAlso columns > 0 Then

Dim table As New Table()

table.CssClass = "table-style"

```
For i As Integer = 1 To rows
```

```
    Dim tr As New TableRow()
```

```
    If i = rows Then
```

```
        tr.CssClass = "last-row"
```

```
    End If
```

```
For j As Integer = 1 To columns
```

```
    Dim td As New TableCell()
```

```
    If j = 1 Then
```

```
        Dim ddlLanguage As New DropDownList()
```

```
        ddlLanguage.Items.Add(New ListItem("Urdu", "urdu"))
```

```
        ddlLanguage.Items.Add(New ListItem("English", "english"))
```

```
        ddlLanguage.Items.Add(New ListItem("Arabic", "arabic"))
```

```
        ddlLanguage.Items.Add(New ListItem("Chinese", "chinese"))
```

```
        td.Controls.Add(ddlLanguage)
```

```
    ElseIf i = rows Then
```

```
        Dim radioName As String = "radio-" & j.ToString()
```

```
        For k As Integer = 1 To 4
```

```
            Dim radio As New RadioButton()
```

```
            radio.Text = k.ToString()
```

```
            radio.GroupName = radioName
```

```
td.Controls.Add(radio)
```

```
td.Controls.Add(New LiteralControl(" "))
```

```
Next
```

```
Else
```

```
td.Text = "{" & i.ToString() & ", " & j.ToString() & "}"
```

```
End If
```

```
tr.Cells.Add(td)
```

```
Next
```

```
table.Rows.Add(tr)
```

```
Next
```

```
tableContainer.Controls.Add(table)
```

```
End If
```

```
End Sub
```

```
End Class
```