

Problem 1:**ListBoxDemo.aspx file:**

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

```
<!DOCTYPE html>
```

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

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

```
<title>ListBox Demo</title>
```

```
<style>
```

```
body{
```

```
    font-family: 'Poppins', sans-serif;
```

```
    background: linear-gradient(135deg, #2b2d42 0%, #2b2d42 100%);
```

```
    color: #212529;
```

```
    padding: 40px;
```

```
}
```

```
.container {
```

```
    background-color: white;
```

```
    padding: 30px;
```

```
    max-width: 500px;
```

```
    margin: auto;
```

```
    border-radius: 10px;
```

```
    box-shadow: 0 4px 15px rgba(0,0,0,0.2);
```

```
    text-align: center;
```

```
}
```

```
.listbox{
    width: 100%;
    padding: 10px;
    font-size: 16px;
}

.label-output {
    margin-top: 20px;
    font-size: 18px;
    color: #4895ef;
}

</style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">
            <h2>Select a Programming Language</h2>
            <asp:ListBox ID="ListBoxLanguages" runat="server" AutoPostBack="True"
                CssClass="listbox"
                OnSelectedIndexChanged="ListBoxLanguages_SelectedIndexChanged">
                <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:ListBox>
        </div>
    </form>
</body>
</html>
```

```
<asp:ListItem>SQL</asp:ListItem>
<asp:ListItem>HTML</asp:ListItem>
<asp:ListItem>CSS</asp:ListItem>
<asp:ListItem>PHP</asp:ListItem>
</asp:ListBox>

<br />

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

</div>

</form>

</body>

</html>
```

ListBoxDemo.aspx.vb file:

Imports System

Imports System.Collections.Generic

Partial Public Class ListboxDemo

Inherits System.Web.UI.Page

Protected Sub ListBoxLanguages_SelectedIndexChanged(sender As Object, e As EventArgs)

Dim selectedLang As String = ListBoxLanguages.SelectedItem.Text

Dim languageInfo As New Dictionary(Of String, String) From {
 {"Java", "Java is a interesting language"},

```
{ "JavaScript", "I" },  
{ "C#", "" },  
{ "C", "" },  
{ "SQL", "" },  
{ "HTML", "" },  
{ "CSS", "" },  
{ "PHP", "" }  
}
```

```
If languageInfo.ContainsKey(selectedLang) Then  
    LabelIntro.Text = languageInfo(selectedLang)  
End If  
End Sub
```

End Class **Problem 2:**

Dynamic Table.aspx file:

```
<%@ 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 Generator</title>  
  
    <link  
href="https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600;700&dis  
play=swap" rel="stylesheet"/>  
  
    <style type="text/css">  
  
        :root {
```

```
--primary-color: #2b2d42;
--secondary-color: #2b2d42;
--accent-color: #4895ef;
--light-color: #f8f9fa;
--dark-color: #212529;
--success-color: #4cc9f0;
--error-color: #f72585;
}

body{
  font-family: 'Poppins', sans-serif;
  background: linear-gradient(135deg, var(--primary-color) 0%, var(--secondary-color)
100%);
  margin: 0;
  padding: 40px;
  color: var(--dark-color);
  min-height: 100vh;
}

.container {
  background: rgba(255, 255, 255, 0.95);
  padding: 40px;
  border-radius: 12px;
  max-width: 700px;
  margin: 0 auto;
  box-shadow: 0 15px 35px rgba(0, 0, 0, 0.2);
```

```
}
```

```
h1 {  
  text-align: center;  
  color: var(--secondary-color);  
  margin-bottom: 30px;  
  position: relative;  
}
```

```
h1::after {  
  content: "";  
  width: 60px;  
  height: 3px;  
  background: var(--accent-color);  
  position: absolute;  
  bottom: -10px;  
  left: 50%;  
  transform: translateX(-50%);  
  border-radius: 3px;  
}
```

```
.controls {  
  display: flex;  
  justify-content: space-between;  
  flex-wrap: wrap;  
  gap: 20px;
```

```
margin-bottom: 30px;  
}
```

```
.controls label {  
    font-weight: 500;  
}
```

```
.controls select, .controls input[type="submit"], .controls input[type="button"],  
.controls button {  
    padding: 10px 15px;  
    border-radius: 8px;  
    border: 2px solid #e9ecef;  
    font-size: 16px;  
    font-family: 'Poppins', sans-serif;  
}
```

```
.controls select:focus {  
    outline: none;  
    border-color: var(--accent-color);  
    box-shadow: 0 0 0 3px rgba(72, 149, 239, 0.2);  
}
```

```
.controls .btn {  
    background-color: var(--primary-color);  
    color: white;  
    border: none;
```

```
    transition: all 0.3s ease;

    cursor: pointer;
}
```

```
.controls .btn:hover {

    background-color: var(--accent-color);

    box-shadow: 0 5px 15px rgba(72, 149, 239, 0.3);
}
```

```
.table-style {

    width: 100%;

    border-collapse: collapse;

    margin-top: 20px;

    border: 2px solid var(--accent-color);
}
```

```
.table-style td {

    border: 1px solid #ccc;

    padding: 12px;

    font-size: 16px;
}
```

```
.last-row {

    background-color: #d3d3d3;

    font-weight: 500;
}
```

```
@media (max-width: 600px) {  
    .controls {  
        flex-direction: column;  
    }  
}  
  
</style>  
</head>  
<body>  
  
<form id="form1" runat="server">  
  
<div class="container">  
  
<h1>Dynamic Table Generator</h1>  
  
<div class="controls">  
  
<div>  
  
<asp:Label ID="lblRows" runat="server" Text="Number of Rows:"  
AssociatedControlID="ddlRows"></asp:Label><br />  
  
<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>  
  
</div>  
  
<div>  
  
<asp:Label ID="lblColumns" runat="server" Text="Number of Columns:"  
AssociatedControlID="ddlColumns"></asp:Label><br />
```

```
<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>
<div style="align-self: flex-end;">
    <asp:Button ID="btnGenerate" runat="server" Text="Generate Table"
    CssClass="btn" OnClick="btnGenerate_Click" />
</div>
</div>

<div id="tableContainer" runat="server"></div>
</div>
</form>
</body>
</html>
```

Dynamic Table.aspx.vb file:

Imports System.Web.UI.WebControls

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
```

Lab_09

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End Class