

Internet Application Development

Lab 06

Source Code

Task 1.aspx:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="task 1.aspx.vb"
Inherits="_Default" %>
<!DOCTYPE html>
<head runat="server">
  <title>Lab 06 Task 1</title>
  <style>body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
  }
  header {
    background-color: #343a40;
    color: #fff;
    padding: 20px 0;
    text-align: center;
  }
  p{
    padding: 10px 0;
    text-align: center;
  }
  .navbar {
    background-color: #778899;
    padding: 10px 0;
    text-align: center;
  }
  .navbar a {
    color: #e4ecf6;
    text-decoration: none;
    margin: 0 15px;
    padding: 5px 10px;
    border-radius: 5px;
    transition: background-color 0.3s ease;
  }
  .navbar a:hover {
    background-color: #0f233a;
  }
  .container {
    max-width: 600px;
    margin: 10px auto;
    padding: 20px;
    background-color: #f8f8f8;
    border: 1px solid #ddd;
  }
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    border-radius: 5px;
}

form {
    text-align: center;
}

label {
    display: block;
    text-align:left;
    margin-left:60px;
}

input {
    width: calc(80% - 20px);
    padding: 10px;
    border: 1px solid #ddd;
    border-radius: 5px;
}
</style>
</head>
<body>
    <header>
        <h1>Choose Programming Language</h1>
        <nav class="navbar">
            <a href="task 1.aspx">Task 1</a>
            <a href="task 2.aspx">Task 2</a>
            <a href="task 3.aspx">Task 3</a>
        </nav>
    </header>
    <main>
        <p>Choose Your Favorite Programming Languages:</p>
        <div class="container">
            <form id="form1" runat="server">
                <div>
                    <asp:CheckBoxList ID="CheckBoxList1" runat="server"></asp:CheckBoxList>
                    <input id="Button1" type="button" value="OK" runat="server"/>
                </div>
                <div runat="server" id="div1">
                    </div>
            </form>
        </div>
    </main>
</body>
</html>

```

Task 1.aspx.vb:

```

Partial Class _Default
    Inherits System.Web.UI.Page

    Private Sub _Default_PreLoad(sender As Object, e As EventArgs) Handles Me.PreLoad
        If Me.IsPostBack = False Then
            CheckBoxList1.Items.Add("C")
            CheckBoxList1.Items.Add("C++")
        End If
    End Sub

```

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        CheckBoxList1.Items.Add("C#")
        CheckBoxList1.Items.Add("Visual Basic 6.0")
        CheckBoxList1.Items.Add("VB.NET")
        CheckBoxList1.Items.Add("Pascal")
    End If
End Sub

Private Sub Button1_ServerClick(sender As Object, e As EventArgs) Handles
Button1.ServerClick
    div1.InnerHtml = "<div><br>You choose: "
    Dim listitems As ListItem
    For Each listitems In CheckBoxList1.Items
        If listitems.Selected Then
            div1.InnerHtml &= listitems.Text & ", "
        End If
    Next
    div1.InnerHtml &= "</div>"

End Sub
End Class

```

Task 2.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="task 2.aspx.vb"
Inherits="_Default" %>
<!DOCTYPE html>
<head runat="server">
    <title>Lab 06 Task 2</title>
    <style>body {
        font-family: Arial, sans-serif;
        margin: 0;
        padding: 0;
        background-color: #f0f0f0;
    }

    header {
        background-color: #343a40;
        color: #fff;
        padding: 20px 0;
        text-align: center;
    }

    .navbar {
        background-color: #778899;
        padding: 10px 0;
        text-align: center;
    }

    .navbar a {
        color: #e4ecf6;
        text-decoration: none;
        margin: 0 15px;
        padding: 5px 10px;
        border-radius: 5px;
        transition: background-color 0.3s ease;
    }

```

```

.navbar a:hover {
    background-color: #0f233a;
}
.container {
    max-width: 600px;
    margin: 10px auto;
    padding: 20px;
    background-color: #f8f8f8;
    border: 1px solid #ddd;
    border-radius: 5px;
}

form {
    text-align: center;
}

.form-group {
    margin-bottom: 20px;
}

label {
    display: block;
    text-align:left;
    margin-left:60px;
    margin-bottom: 5px;
}

input {
    width: calc(80% - 20px);
    padding: 10px;
    margin:10px;
    border: 1px solid #ddd;
    border-radius: 5px;
}

```

```

</style>
</head>
<body>
    <header>
        <h1>Create Table</h1>
        <nav class="navbar">
            <a href="task 1.aspx">Task 1</a>
            <a href="task 2.aspx">Task 2</a>
            <a href="task 3.aspx">Task 3</a>
        </nav>
    </header>
    <main>
        <div class="container">
            <form id="form1" runat="server">
                <div>
                    <strong>Rows:</strong>
                    <asp:TextBox ID="rows" runat="server"></asp:TextBox>
                    <br>
                    <strong>Cols:</strong>
                    <asp:TextBox ID="cols" runat="server"></asp:TextBox>
                    <br/>
                </div>
            </form>
        </div>
    </main>
</body>

```

```

        <asp:CheckBox ID="CheckBox" runat="server" Text="Put Border Around Cells"/>
        <br/>
        <asp:Button ID="Button" runat="server" Text="Create" />
        <br/> <br/>
        <asp:Table ID="Table" runat="server"></asp:Table>
    </div>
</form>
</div>
</main>
</body>
</html>

```

Task 2.aspx.vb:

```

Partial Class _Default
    Inherits System.Web.UI.Page

    Private Sub Button_Click(sender As Object, e As EventArgs) Handles Button.Click
        Dim Row As Integer = Val(rows.Text)
        Dim Column As Integer = Val(cols.Text)
        Dim k, l As Integer
        For k = 0 To Row - 1
            Dim current_row As New TableRow()
            For l = 0 To Column - 1
                Dim current_column As New TableCell()
                Dim Image As New Image()
                Image.ImageUrl = "smile.png"
                Dim text As New Label
                text.Text = "Example Cell (" & k.ToString() & ", " & l.ToString() & ")
<br>"
                text.Style("font-size") = "15px"
                current_column.Controls.Add(text)
                current_column.Controls.Add(Image)

                If CheckBox.Checked Then
                    current_column.BorderStyle = BorderStyle.Inset
                End If
                current_row.Cells.Add(current_column)
            Next
            Table.Rows.Add(current_row)
        Next
        Table.BorderStyle = BorderStyle.Inset
    End Sub
End Class

```

Task 3.aspx:

```

<%@ Page Language="VB" AutoEventWireup="false" CodeFile="task 3.aspx.vb"
Inherits="_Default" %>

<!DOCTYPE html>
<head runat="server">
    <title>Lab 06 Task 3</title>
    <style>body {

```

```

    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f0f0f0;
}

header {
    background-color: #343a40;
    color: #fff;
    padding: 20px 0;
    text-align: center;
}

.navbar {
    background-color: #778899;
    padding: 10px 0;
    text-align: center;
}

.navbar a {
    color: #e4ecf6;
    text-decoration: none;
    margin: 0 15px;
    padding: 5px 10px;
    border-radius: 5px;
    transition: background-color 0.3s ease;
}

.navbar a:hover {
    background-color: #0f233a;
}

.container {
    max-width: 600px;
    margin: 10px auto;
    padding: 20px;
    background-color: #f8f8f8;
    border: 1px solid #ddd;
    border-radius: 5px;
}

form {
    text-align: center;
}

.form-group {
    margin-bottom: 20px;
}
</style>
</head>
<body>
    <header>
        <h1>Event List Controls</h1>
        <nav class="navbar">
            <a href="task 1.aspx">Task 1</a>
            <a href="task 2.aspx">Task 2</a>
            <a href="task 3.aspx">Task 3</a>
        </nav>
    </header>
    <main>

```

```

<div class="container">
    <form id="form1" runat="server">
    <div>
        <h2>Controls being monitored for change events:</h2>
        <asp:TextBox ID="text" runat="server" AutoPostBack="true"></asp:TextBox>
        <br /><br />
        <asp:CheckBox ID="check" runat="server" AutoPostBack="true" />
        <br /><br />
        <asp:RadioButton ID="radio_option1" runat="server" GroupName="Sample"
AutoPostBack="True" />
        <asp:RadioButton ID="radio_option2" runat="server" GroupName="Sample"
AutoPostBack="True" />
        <h2>List of events:</h2>
        <asp:ListBox ID="list" runat="server" Width="355px" Height="150px" /><br />
    </div>
    </form>
    </div>
</main>
</body>
</html>

```

Task 3.aspx.vb:

```

Partial Class _Default
    Inherits System.Web.UI.Page
    Private Sub _Default_Load(sender As Object, e As EventArgs) Handles Me.Load
        Log("<< Page_Load >>")
    End Sub

    Private Sub _Default_PreRender(sender As Object, e As EventArgs) Handles Me.PreRender
        Log("Page_PreRender")
    End Sub

    Private Sub chk_CheckedChanged(sender As Object, e As EventArgs) Handles
check.CheckedChanged, radio_option1.CheckedChanged, radio_option2.CheckedChanged,
text.TextChanged
        Dim ctrlName As String = CType(sender, Control).ID
        Log(ctrlName & " has Changed")
    End Sub

    Private Sub Log(ByVal entry As String)
        list.Items.Add(entry)
        list.SelectedIndex = list.Items.Count - 1
    End Sub
End Class

```