Internet Application Development

Lab - 04

Submitted to

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Currency-Converter.aspx:

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Currency-
Converter.aspx.vb" Inherits="Currency_Converter" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Currency Converter</title>
    <style>
        body {
            margin: 0;
            padding: 0;
            font-family: 'Arial', sans-serif;
            background-color: #ecf0f1;
        }

        .container {
            display: grid;
            grid-template-columns: 1.5fr 2.5fr;
            height: 100vh;
        }

        .left-container {
            background: linear-gradient(to right, #2C3E50, #000000);
            color: #fff;
            padding: 20px;
            display: flex;
            flex-direction: column;
            align-items: center;
            justify-content: center;
        }


        .h1 {
            color: #fff;
            position: relative;
            top: -50px;
            left: 70px;
            margin: 5px;
            font-size: 50px;
        }

        .right-container {
            min-height: 250px;
            width: 550px;
            border-radius: 10px;
            background: linear-gradient(315deg, #2b4162 0%, #12100e 74%);
            margin: auto;
            margin-top: 50px;
            padding: 20px;
```

```css
        display: flex;
        flex-direction: column;
        align-items: center;
        box-shadow: 0 0 20px rgba(0, 0, 0, 0.7);
    }

    label, p {
        color: white;
        font-size: 18px;
        margin-bottom: 10px;
    }

    input {
        padding: 10px;
        margin-bottom: 20px;
        border-radius: 10px;
        border: 2px solid #3498db;
    }

    .currency-dropdown {
        color: #fff;
        background-color: #333;
        border: 1px solid #fff;
        border-radius: 5px;
        padding: 8px;
        margin-right: 20px;
        font-size: 15px;
    }

    #button, #ShowGraph {
        border-radius: 10px;
        padding: 10px 20px;
        margin-top: 25px;
        color: #fff;
        background: linear-gradient(315deg, #ffffff 0%, #274060 74%);
        border: none;
        cursor: pointer;
        font-size: 16px;
        transition: background-color 0.3s ease;
        transition: transform 0.3s ease;
    }

    #button:hover, #ShowGraph:hover {
        background: linear-gradient(135deg, #ffffff 0%, #274060 74%);
        transform:scale(1.1)
    }

    #conversionResult {
        font-size: 25px;
        color: #fff;
        margin-top: 20px;
    }
```

```
        #Graph {
            margin-top: 20px;
            max-width: 100%;
            height: auto;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div class="container">
            <div class="left-container">
                <h1 class="h1" style="margin-right:35px">CURRENCY</h1>
                <h1 class="h1" style="border-bottom: 3px solid
white;">CONVERTER</h1>
            </div>
            <div class="right-container">
                <div style="margin-top: 10px;">
                    <label for="amount" style="font-size:
20px">Amount:</label>
                    <input id="amount" type="text" style="padding: 8px;
margin-bottom: 20px; border-radius: 25px;" runat="server" />
                </div>

                <div>
                    <label for="SourceCurrency" style="font-size:
15px;">From:</label>
                    <select id="SourceCurrency" class="currency-dropdown"
style="padding: 5px; margin-right: 20px;">
                        <option value="USD">USD</option>
                    </select>

                    <label for="TargetCurrency" style="font-size:
15px;">To:</label>
                    <select id="TargetCurrency" class="currency-dropdown"
style="padding: 5px;" runat="server">

                    </select>
                </div>

                <asp:Button ID="button" runat="server" Text="Convert" />
                <asp:Button ID="ShowGraph" runat="server" Text="Show Graph"
AutoPostBack="True" />
                <p id="conversionResult" style="font-size:25px"
runat="server"></p>
                <asp:Image ID="Graph" runat="server" />
            </div>
        </div>
    </form>
</body>
</html>
```

Currency-Converter.aspx.vb:

```vb
Imports System.IO

Partial Class Currency_Converter
    Inherits System.Web.UI.Page
    Protected Sub Page_Load(sender As Object, e As EventArgs) Handles Me.Load
        If Not IsPostBack Then
            TargetCurrency.Items.Add(New ListItem("Euros", "0.92"))
            TargetCurrency.Items.Add(New ListItem("Canadian Dollars",
"1.36"))
            TargetCurrency.Items.Add(New ListItem("Japanese Yen", "150.49"))
            Graph.Visible = False
        End If

        Dim enteredAmount As Double = Val(amount.Value)
        If enteredAmount <= 0 Then
            Graph.Visible = False
        End If
    End Sub

    Private Sub button_Click(sender As Object, e As EventArgs) Handles
button.Click
        Dim enteredAmount As Double
        enteredAmount = Val(amount.Value)

        If enteredAmount <= 0 Then
            conversionResult.Style("color") = "Red"
            conversionResult.InnerText = "Specify a positive number"
        Else
            conversionResult.Style("color") = "White"
            Dim currency As String =
TargetCurrency.Items(TargetCurrency.SelectedIndex).Text
            Dim exchangeRate As Double =
Val(TargetCurrency.Items(TargetCurrency.SelectedIndex).Value)

            Dim convertedAmount As Double = enteredAmount * exchangeRate

            conversionResult.InnerText = enteredAmount.ToString("C") & " USD
= " & convertedAmount.ToString("C") & " " & currency
        End If
    End Sub

    Private Sub ShowGraph_Click(sender As Object, e As EventArgs) Handles
ShowGraph.Click
        Dim enteredAmount As Double = Val(amount.Value)

        If enteredAmount > 0 Then
            Dim folder As String = Server.MapPath("~/images")
            Dim filename As String =
TargetCurrency.Items(TargetCurrency.SelectedIndex).Text + ".jpg"
            Dim filePath As String = Path.Combine(folder, filename)
```

```
            If File.Exists(filePath) Then
                Graph.ImageUrl = "images/" +
TargetCurrency.Items(TargetCurrency.SelectedIndex).Text + ".jpg"
                Graph.AlternateText =
TargetCurrency.Items(TargetCurrency.SelectedIndex).Text + "Graph"
                Graph.Visible = True
            End If
        End If
    End Sub
End Class
```