



LAB-4

Course:

Internet Application Development(CIS-305L)

Submitted to:

Mr. Irfan Hameed

Submitted by:

Asad Butt

Haider Ali Aurangzaib

Muhammad Ahtasham

Muhammad Rizwan Rizvi

Zain Abbas

Dated:

March 24, 2024

Department of Computer and Information Science, PIEAS

Implement the Currency Converter Application discussed in the class.

The application should include following features:

- **Conversion from US dollars to Euros, Canadian Dollars, and Japanese Yen.**

Display currency graphs.

.aspx code:

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="WebForm1.aspx.vb" Inherits="WebForm1" %>
```

```
<!DOCTYPE html>
```

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

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

```
<title>Currency Converter Web Application</title>
```

```
<style>
```

```
body {
```

```
background-color: #FFF5E0;
```

```
color: rgb(20, 30, 70);
```

```
font-family: Arial, sans-serif;
```

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

```
}
```

```
h1 {
```

```
color: #FF6969;
```

```
font-size: 2.5rem;
```

```
margin-bottom: 20px;
```

```
}
```

```
label {
```

```
display: block;
```

```
margin-bottom: 10px;
```

```
color: rgb(20, 30, 70);
```

```
}
```

```
input[type="text"], select {
```

```
font-size: 1.2rem;
```

```
padding: 10px;
```

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

```
border: none;
```

```
margin-bottom: 20px;
```

```
box-shadow: 0 2px 2px rgba(0, 0, 0, 0.1);
```

```
}
```

```
input[type="text"] {
```

```
width: 250px;
```

```
}
```

```
select {
```

```
width: 200px;
```

```
}
```

```
input[type="submit"] {
```

```
background-color: #C70039;
```

```
color: #FFF5E0;
```

```
padding: 10px 20px;
```

```

        font-size: 1.2rem;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        box-shadow: 0 2px 2px rgba(0, 0, 0, 0.1);
    }

    input[type="submit"]:hover {
        background-color: #FF6969;
    }

    label.error {
        color: #FF6969;
        display: block;
        margin-top: 5px;
    }

    .result {
        font-size: 1.5rem;
        margin-top: 20px;
        color: #141E46;
    }

    .result span {
        font-weight: bold;
        color: #C70039;
    }
</style>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h1>Currency Converter Web Application</h1>
            <asp:Label ID="Label1" runat="server" Text="Amount in USD:"></asp:Label>
            <asp:TextBox ID="txtAmount" runat="server"></asp:TextBox>

            <br/><br/>

            <asp:Label ID="Label2" runat="server" Text="Convert to:"></asp:Label>
            <asp:DropDownList ID="ddlCurrency" runat="server">
                <asp:ListItem Value="EUR">Euros</asp:ListItem>
                <asp:ListItem Value="CAD">Canadian Dollars</asp:ListItem>
                <asp:ListItem Value="JPY">Japanese Yen</asp:ListItem>
            </asp:DropDownList>

            <br/><br/>

            <asp:Button ID="Button1" runat="server" Text="Convert" OnClick="Button1_Click" />

            <br/><br/>

            <asp:Label ID="lblResult" runat="server" CssClass="result"></asp:Label>

            <br/><br/>

            <asp:Image ID="imgGraph" runat="server" Visible="False" />
        </div>
    </form>
</body>

```

</html>

.aspx.vb code:

Partial Class WebForm1

Inherits System.Web.UI.Page

Protected Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click

Dim amount As Decimal

Dim isValidAmount As Boolean = Decimal.TryParse(txtAmount.Text, amount)

If Not isValidAmount Then

lblResult.Text = "Please enter a valid decimal number for Amount."

imgGraph.Visible = False

Else

Dim fromCurrency As String = "USD"

Dim toCurrency As String = ddlCurrency.SelectedValue

Dim rate As Decimal

Select Case toCurrency

Case "EUR" : rate = 0.91D ' Use D for Decimal

Case "CAD" : rate = 1.34D

Case "JPY" : rate = 134.09D

End Select

Dim convertedAmount As Decimal = amount * rate

lblResult.Text = "Converted Amount: " & convertedAmount.ToString("0.##")

' Display graph image based on the conversion

imgGraph.ImageUrl = GetGraphImageUrl(fromCurrency, toCurrency)

imgGraph.Visible = True

End If

End Sub

Private Function GetGraphImageUrl(fromCurrency As String, toCurrency As String) As String

' You need to replace these URLs with actual URLs to your graph images

Select Case fromCurrency

Case "USD"

Select Case toCurrency

Case "EUR" : Return "pic0.png"

Case "CAD" : Return "pic2.png"

Case "JPY" : Return "pic1.png"

End Select

End Select

Return ""

End Function

End Class

OUTPUTS:

Currency Converter Web Application

Amount in USD:

Convert to:

Convert

Converted Amount: 10.92

