

Internet Application Development

Lab No 4:

Rao Abdul Saboor

Date: 06 March 2024

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. (The graphs are available in this folder of Lab).

Code:

- Default.aspx

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h1>Currency Converter</h1>
            <input id="Amount1" placeholder="Enter Amount in USD" runat="server"
type="text" />
            <select id="CurrencySelect" runat="server">
                <option value="YEN">YEN</option>
                <option value="CAD">CAD</option>
                <option value="EUR">EUR</option>
            </select>
            <div runat="server" id="msg"></div>
        </div>
    </form>
</body>
</html>
```

```

        
        
        
        <br />

        <input id="Button1" runat="server" type="button" value="Convert" />
        <input id="Button2" runat="server" type="button" value="Show Graph" />

    </div>
</form>
<p>
    &nbsp;&nbsp;&nbsp;</p>
<p>
    &nbsp;&nbsp;&nbsp;</p>
</body>
</html>

```

- Default.aspx.vb

Imports System.Web.UI

Partial Class _Default

Inherits Page

Private Sub Button1_Click(ByVal sender As Object, ByVal e As EventArgs)

Handles Button1.ServerClick

Dim Amount As Int32

Dim Currency As String

If Not Int32.TryParse(Amount1.Value, Amount) Then

msg.InnerHtml = "Error: Please Enter A Number"

Return

End If

Amount = Convert.ToInt32(Amount1.Value)

Currency = CurrencySelect.Value

cad_graph.Visible = False

yen_graph.Visible = False

eur_graph.Visible = False

Button2.Visible = True

If Currency = "YEN" Then

msg.InnerHtml = "" & Amount & "USD =" & Amount * 150.5 & "
Yen"

ElseIf Currency = "CAD" Then

msg.InnerHtml = "" & Amount & "USD =" & Amount * 1.36 & "
CAD"

ElseIf Currency = "EUR" Then

msg.InnerHtml = "" & Amount & "USD =" & Amount * 0.92 & "
EUR"

End If

'End If

```

End Sub

Private Sub Button2_Click(ByVal sender As Object, ByVal e As EventArgs)
Handles Button2.ServerClick
    Dim Currency As String
    Currency = CurrencySelect.Value

    If Currency = "YEN" Then
        yen_graph.Visible = True
    ElseIf Currency = "CAD" Then
        cad_graph.Visible = True
    ElseIf Currency = "EUR" Then
        eur_graph.Visible = True
    End If
End Sub

Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
    'Text1.Value &= "Page Load"

    'msg.InnerHtml &= "<br/>Page Load"
End Sub

Protected Sub Page_Unload(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Unload
    'Text1.Value &= "<br>Page Un Load"

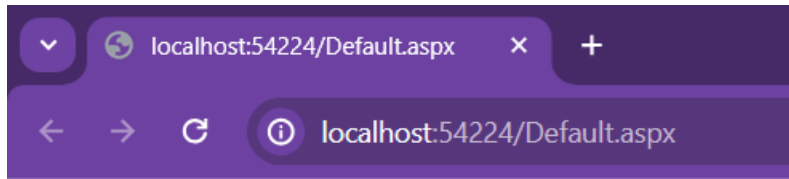
End Sub

Protected Sub Page_Init(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Init
    'Text1.Value &= "<br>Page Init"
    If Me.IsPostBack = False Then
        'Text1.Value = "It is confirmed that page initialization has occurred
during FIRST REQUEST"
    Else
        'Text1.Value = "It is confirmed that page initialization has occurred
during POSTBACK"
    End If

End Sub

Protected Sub Page_PreRender(ByVal sender As Object, ByVal e As
System.EventArgs) Handles Me.PreRender
    'Text1.Value &= "<br/>Page Pre Render"
    If Me.IsPostBack = False Then
        msg.InnerHtml = "No Amount Specified"
        cad_graph.Visible = False
        yen_graph.Visible = False
        eur_graph.Visible = False
        Button2.Visible = False
    End If
End Sub
End Class

```



Currency Converter

No Amount Specified

USD to Japanese YEN

Currency Converter

20USD = 3010 Yen

USDJPY=X
as of 19-Oct-2001



Copyright 2001 Yahoo! Inc.

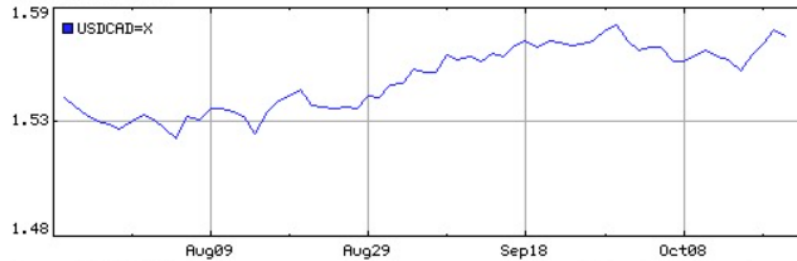
<http://finance.yahoo.com/>

USD to Canadian Dollars

Currency Converter

20USD =27.2 CAD

USDCAD=X
as of 19-Oct-2001



Copyright 2001 Yahoo! Inc.

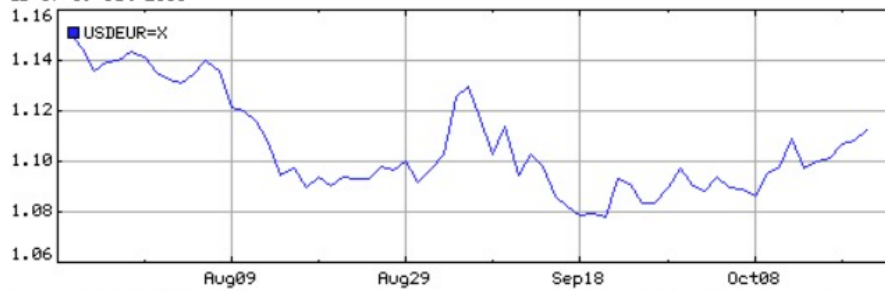
<http://finance.yahoo.com/>

USD to EURO

Currency Converter

27USD =24.84 EUR

USDEUR=X
as of 19-Oct-2001



Copyright 2001 Yahoo! Inc.

<http://finance.yahoo.com/>