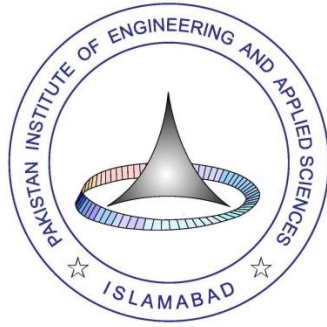


Pakistan Institute of Engineering and Applied Sciences, Islamabad
Department of Computer and Information Science



Internet Application Development

Lab Assignment no. 04

Submitted By

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Session (21-25)

Implement the Currency Converter Application. The application should include following features:

- a. Conversion from US dollars to Euros, Canadian Dollars, and Japanese Yen.**
- b. Display currency graphs.**

CurrConverter.aspx (Source):

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

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
```

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

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

```
<title>Currency Converter</title>
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```

```
<div>
```

```
<div style="border-right: thick ridge; padding-right: 20px; border-top: thick ridge;
padding-left: 20px; padding-bottom: 20px; border-left: thick ridge; width: 531px; padding-top:
20px; border-bottom: thick ridge; font-family: Verdana; height: 330px; background-color:
lightblue">
```

```
Convert: &nbsp;
```

```
<input type="text" ID="US" runat="server" />&nbsp; U.S. dollars to &nbsp;
```

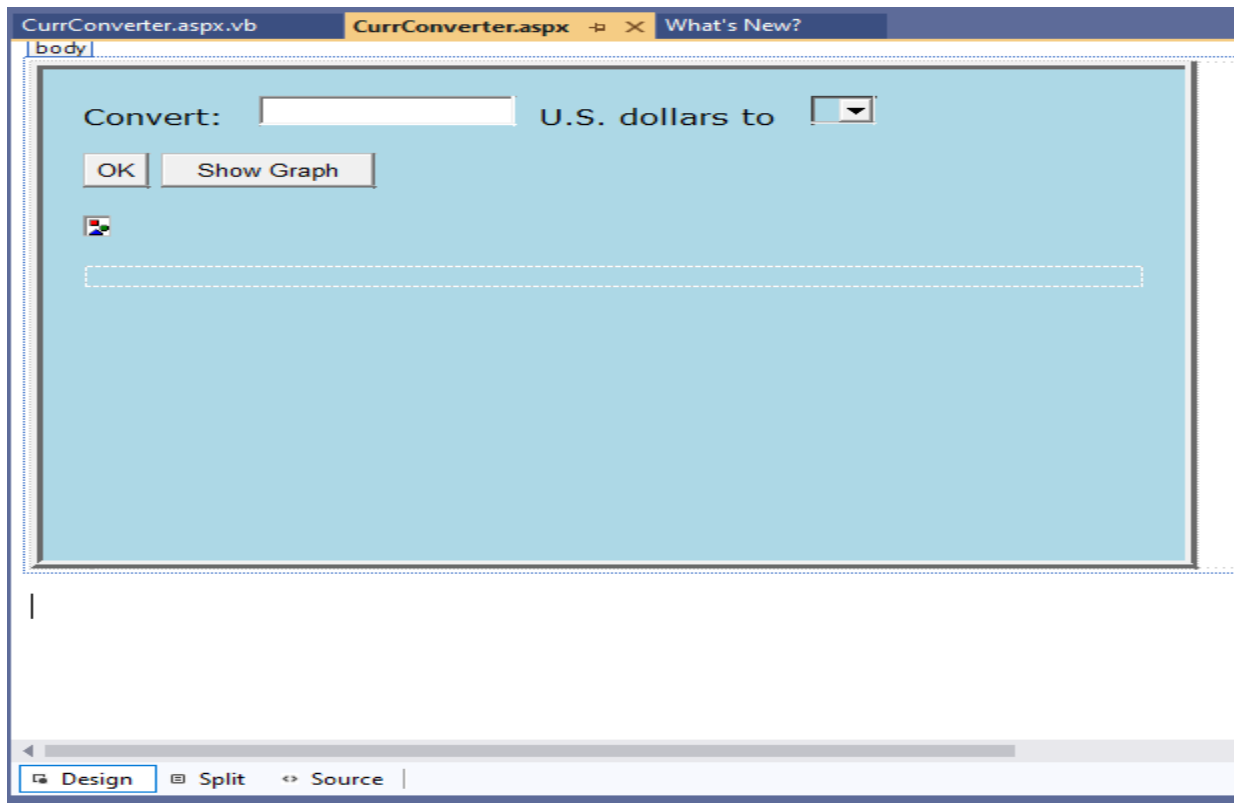
```
<select id="Currency" runat="server"></select>
```

```
<br /><br />
```

```
<input type="submit" value="OK" id="Convert" runat="server" />
<input type="submit" value="Show Graph" id="ShowGraph" runat="server" />
<br /><br />
<img id="Graph" src="" alt="Currency Graph" runat="server" />
<br /><br />
<div id="Result" runat="server" style="font-weight: bold"></div>

</div>
</div>
</form>
</body>
</html>
```

CurrConverter.aspx (Design):



CurrConverter.aspx.vb:

Partial Class CurrConverter

Inherits System.Web.UI.Page

Protected Sub Convert_ServerClick(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Convert.ServerClick

Dim oldAmount As Decimal = Val(US.Value)

If oldAmount <= 0 Then

Result.Style("color") = "Red"

Result.InnerText = "Specify a positive number"

Else

Result.Style("color") = "Black"

'Retrieve the select ListItem object by its index number.

Dim item As ListItem = Currency.Items(Currency.SelectedIndex)

Dim newAmount As Decimal = oldAmount * Val(item.Value)

Result.InnerText = oldAmount.ToString() & "U.S. dollars = "

Result.InnerText &= newAmount.ToString() & " " & item.Text

End If

End Sub

Protected Sub ShowGraph_ServerClick(ByVal sender As Object, ByVal e As
System.EventArgs) Handles ShowGraph.ServerClick

Graph.Src = "Pic" + Currency.SelectedIndex.ToString() + ".png"

```
Graph.Alt = "Currency Graph"
```

```
Graph.Visible = True
```

```
End Sub
```

```
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles  
Me.Load
```

```
    If Me.IsPostBack = False Then
```

```
        'The HtmlInputSelect control accepts text or ListItem objects.
```

```
        Currency.Items.Add(New ListItem("Euros", "0.85"))
```

```
        Currency.Items.Add(New ListItem("Japanese Yen", "110.33"))
```

```
        Currency.Items.Add(New ListItem("Canadian Dollars", "1.2"))
```

```
        Graph.Visible = False
```

```
    End If
```

```
End Sub
```

```
End Class
```

Output:

localhost:52027/CurrConverter.aspx

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Convert: U.S. dollars to
Euros

OK Show Graph

Convert: U.S. dollars to
Euros

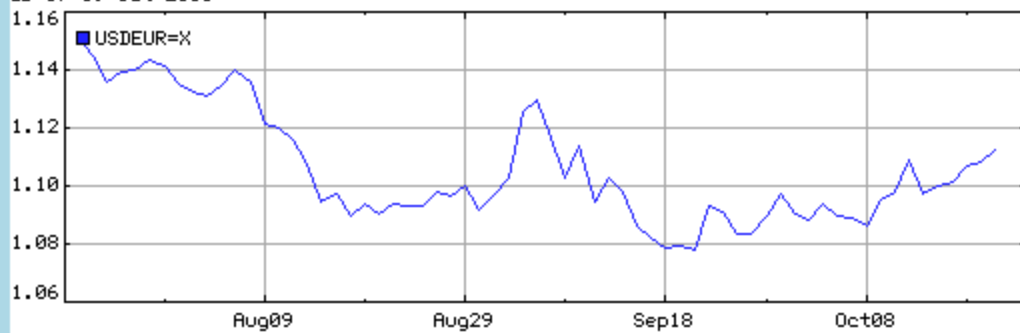
OK Show Graph

12U.S. dollars = 10.2 Euros

Convert: U.S. dollars to

▼

USDEUR=X
as of 19-Oct-2001



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12 U.S. dollars = 10.2 Euros