

Implementation IAD Lab 06

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BS-CIS (22-26)

INCREMENT BUTTON

Default.aspx

```
<%@ Page Language="VB" AutoEventWireup="true"
CodeFile="Default.aspx.vb" Inherits="_Default"
ViewStateEncryptionMode="Always" %>
<!DOCTYPE html>
<head>
    <title>ViewState Counter</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="lbl_count" runat="server"
Text="Counter: 0"></asp:Label>
            <br/><br/>
            <asp:Button ID="Increment" runat="server"
Text="Increment" OnClick="Increment_Click" />
        </div>
    </form>
</body>
</html>
```

default.aspx.vb

```
Imports System.Web.UI
Partial Public Class _Default
    Inherits Page
    Protected Sub Increment_Click(ByVal sender As Object, ByVal
e As EventArgs) Handles Increment.Click
        Dim Counter As Integer
        If ViewState("Counter") Is Nothing Then
            Counter = 1
        Else
            Counter = ViewState("Counter") + 1
        End If
        ViewState("Counter") = Counter
        lbl_count.Text = "Counter: " & Counter
    End Sub
```

End Class

default2.aspx

```
<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Default2.aspx.vb" Inherits="_Default" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Customer ViewState Example</title>
</head>
<body>
    <form id="form1" runat="server">
        <div style="margin: 30px;">
            <asp:Button ID="btnStore" runat="server" Text="Store
Customers" OnClick="btnStore_Click" />
            <br /><br />
            <asp:Button ID="btnRetrieve" runat="server"
Text="Retrieve Customers" OnClick="btnRetrieve_Click" />
            <br /><br />
            <asp:Label ID="lblCustomer" runat="server" Text=""
EnableViewState="true"></asp:Label>
        </div>
    </form>
</body>
</html>
```

default2.aspx.vb

```
Imports System
Imports System.Web.UI

<Serializable(>
Public Class Customer
    Private _firstName As String
    Private _lastName As String

    Public Property FirstName() As String
        Get
            Return _firstName
        End Get
    End Property
End Class
```

```

        Set(ByVal value As String)
            _firstName = value
        End Set
    End Property

    Public Property LastName() As String
        Get
            Return _lastName
        End Get
        Set(ByVal value As String)
            _lastName = value
        End Set
    End Property

    Public Sub New(ByVal firstName As String, ByVal lastName As
String)
        Me.FirstName = firstName
        Me.LastName = lastName
    End Sub
End Class

Partial Public Class _Default
    Inherits Page

    Protected Sub btnStore_Click(ByVal sender As Object, ByVal e
As EventArgs) Handles btnStore.Click
        Dim customer1 As New Customer("Nida", "Pervaiz")
        Dim customer2 As New Customer("Afsah", "Peraiz")
        Dim customer3 As New Customer("Ayesha", "Zahra")
        Dim customer4 As New Customer("Alyna", "Batool")

        ViewState("Customer1") = customer1
        ViewState("Customer2") = customer2
        ViewState("Customer3") = customer3
        ViewState("Customer4") = customer4

        lblCustomer.Text = "Customers stored using ViewState----"
    End Sub

    Protected Sub btnRetrieve_Click(ByVal sender As Object,
ByVal e As EventArgs) Handles btnRetrieve.Click
        If ViewState("Customer1") IsNot Nothing AndAlso
ViewState("Customer2") IsNot Nothing AndAlso
ViewState("Customer3") IsNot Nothing AndAlso
ViewState("Customer4") IsNot Nothing Then

```

```

        Dim customer1 As Customer =
CType(ViewState("Customer1"), Customer)
        Dim customer2 As Customer =
CType(ViewState("Customer2"), Customer)
        Dim customer3 As Customer =
CType(ViewState("Customer3"), Customer)
        Dim customer4 As Customer =
CType(ViewState("Customer4"), Customer)

        Dim output As String = "Retrieved Customers:<br/>"
        output &= customer1.FirstName & " " &
customer1.LastName & "<br/>"
        output &= customer2.FirstName & " " &
customer2.LastName & "<br/>"
        output &= customer3.FirstName & " " &
customer3.LastName & "<br/>"
        output &= customer4.FirstName & " " &
customer4.LastName & "<br/>"

        lblCustomer.Text = output
    Else
        lblCustomer.Text = "No customers found in ViewState"
    End If
End Sub
End Class

```

Web.config

```

<?xml version="1.0"?>
<configuration>
  <!--

```

For a description of web.config changes see
<http://go.microsoft.com/fwlink/?LinkId=235367>.

The following attributes can be set on the <httpRuntime> tag.

```

    <system.Web>
      <httpRuntime targetFramework="4.8" />
    </system.Web>
-->

```

```
<system.web>  
  <compilation debug="false" targetFramework="4.8"/>  
  <pages controlRenderingCompatibilityVersion="4.0"  
viewStateEncryptionMode="Always"/>  
</system.web>  
</configuration>
```
