

## CODE IMPLEMENTATION: LAB 6

### Index.aspx

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

<!DOCTYPE html>

<html>
<head runat="server">
  <title>LAB 6 Problems</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #e0e0e0;
      padding: 20px;
    }

    h1 {
      margin-bottom: 30px;
      color: #333333;
    }

    a {
      display: block;
      margin: 10px 0;
      font-size: 1.2em;
      color: #404040;
      text-decoration: none;
    }

    a:hover {
      text-decoration: underline;
    }
  </style>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <h1>LAB 6 PROBLEMS</h1><br />
      <a href="Counter.aspx">Problem 1</a><br />
      <a href="CustomerClass.aspx">Problem 2</a>
    </div>
  </form>
</body>
</html>
```

## Counter.aspx

```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="Counter.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>
```

## Counter.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
```

## CustomerClass.aspx

```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="CustomerClass.aspx.vb"
Inherits="CustomerClass" %>
<!DOCTYPE html>
<html xmlns = "http://www.w3.org/1999/xhtml" >
<head runat="server">
    <title>ViewState Customer Objects</title>
</head>
<body>
```

```
<form id = "form1" runat="server">
    <div>
    <asp:Button ID = "btnStore" runat="server" Text="Store Customer Objects"
OnClick="btnStore_Click" />
        <br /><br /><asp:Button ID = "btnRetrieve" runat="server" Text="Retrieve Customer
Objects" OnClick="btnRetrieve_Click" />
        <br /><br />
        <asp:Label ID = "lblCustomers" runat="server"></asp:Label>
    </div>
</form>
</body>
</html>
```

## CustomerClass.aspx.vb

```
Imports System
Imports System.Web.UI

<Serializable(>
Public Class Customer
    Private _firstName As String
    Public Property FirstName() As String
        Get
            Return _firstName
        End Get
        Set(ByVal Value As String)
            _firstName = Value
        End Set
    End Property

    Private _lastName As String
    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 CustomerClass
    Inherits Page

    Protected Sub btnStore_Click(ByVal sender As Object, ByVal e As EventArgs) Handles
btnStore.Click
        Dim customer1 As New Customer("Iqra", "Mehmood")
        Dim customer2 As New Customer("Fatima", "Qaiser")
        Dim customer3 As New Customer("Alishbah", "Bashir")

        ViewState("Customer1") = customer1
    End Sub
End Class
```

```
ViewState("Customer2") = customer2
ViewState("Customer3") = customer3

lblCustomers.Text = "Customers stored in 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 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 output As String = "Retrieved Customers are as follows:<br/>"
        output &= customer1.FirstName & " " & customer1.LastName & "<br/>"
        output &= customer2.FirstName & " " & customer2.LastName & "<br/>"
        output &= customer3.FirstName & " " & customer3.LastName & "<br/>"

        lblCustomers.Text = output
    Else
        lblCustomers.Text = "No Customer Object in ViewState."
    End If
End Sub
End Class
```