

Question 1 (a)

Default.aspx

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

```
<!DOCTYPE html>
```

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

```
<head>
```

```
  <title>Hidden Field Demo</title>
```

```
</head>
```

```
<body>
```

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

```
    <asp:HiddenField ID="HiddenFieldW" runat="server" Value="43854" />
```

```
    <asp:Button ID="btnShowW" runat="server" Text="Show W Value"
OnClick="btnShowW_Click" />
```

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

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

```
  </form>
```

```
</body>
```

```
</html>
```

Default.aspx.vb

Partial Class _Default

Inherits System.Web.UI.Page

```
Protected Sub btnShowW_Click(sender As Object, e As EventArgs)

    Dim W As String = HiddenFieldW.Value

    lblResult.Text = "Value of W: " & W

End Sub

End Class
```

Question 1(c):

Default.aspx

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

<!DOCTYPE html>

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

<head>

    <title>Hidden Field Demo</title>

</head>

<body>

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

        <asp:HiddenField ID="HiddenFieldW" runat="server" Value="43854" />

        <asp:Button ID="btnShowW" runat="server" Text="Show W Value"
OnClick="btnShowW_Click" />

        <br /><br />

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

    </form>

</body>
```

```
<script>
window.onload = function () {
    document.getElementById('<%= HiddenFieldW.ClientID %>').value = "99999";
};
</script>

</html>
```

Default.aspx.vb

Partial Class _Default

Inherits System.Web.UI.Page

Protected Sub btnShowW_Click(sender As Object, e As EventArgs)

Dim W As String = HiddenFieldW.Value

lblResult.Text = "Value of W: " & W

End Sub

End Class

Question 2

CustomerForm.aspx

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

```
<!DOCTYPE html>

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

<head runat="server">

  <title>Select Customer</title>

  <style>

    body, html {

      margin: 0;

      padding: 0;

      background-color: #F8F4E1;

      color: #4E1F00;

      font-family: Arial, sans-serif;

    }


    .header{

      background-color: #4E1F00;

      color: #F8F4E1;

      text-align: center;

      font-size: 40px;

      padding: 20px 0;

    }


    .container{

      padding: 40px;

    }


    h2{
```

```
    color: #4E1F00;
}
```

```
.styled-btn {
    padding: 10px 20px;
    background-color: #4E1F00;
    color: #F8F4E1;
    border: none;
    cursor: pointer;
    font-size: 16px;
}
```

```
.styled-btn:hover {
    background-color: #6A2D0A;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="header">Customer Selection</div>
```

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

```
<div class="container">
```

```
<h2>Select a Customer</h2>
```

```
<asp:ListBox ID="lstCustomers" runat="server"
CssClass="listbox"></asp:ListBox><br /><br />
```

```
<asp:Button ID="btnSubmit" runat="server" Text="View Details" CssClass="styled-
btn" />
```

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

CustomerForm.aspx.vb

Imports System.Data.SqlClient

Partial Class CustomerForm

Inherits System.Web.UI.Page

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

If Not IsPostBack Then

LoadCustomerList()

End If

End Sub

Private Sub LoadCustomerList()

Dim connStr As String = "Data Source=DESKTOP-1D72CB1;Initial
Catalog=AirlineManagementSystem;Trusted_Connection=True"

Using conn As New SqlConnection(connStr)

Dim cmd As New SqlCommand("SELECT CustomerID, Name FROM Customer",
conn)

conn.Open()

Dim reader As SqlDataReader = cmd.ExecuteReader()

While reader.Read()

```
        lstCustomers.Items.Add(New ListItem(reader("Name").ToString(),  
reader("CustomerID").ToString()))
```

```
    End While
```

```
End Using
```

```
End Sub
```

```
Protected Sub btnSubmit_Click(sender As Object, e As EventArgs) Handles  
btnSubmit.Click
```

```
    If lstCustomers.SelectedIndex <> -1 Then
```

```
        Dim selectedId As String = lstCustomers.SelectedValue
```

```
        Response.Redirect("CustomerDetails.aspx?cid=" & selectedId)
```

```
    End If
```

```
End Sub
```

```
End Class
```

CustomerDetails.aspx

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

```
<!DOCTYPE html>
```

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

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

```
    <title>Customer Details</title>
```

```
    <style>
```

```
        body, html {
```

```
            margin: 0;
```

```
            padding: 0;
```

```
background-color: #F8F4E1;
color: #4E1F00;
font-family: Arial, sans-serif;
}
```

```
.header{
background-color: #4E1F00;
color: #F8F4E1;
text-align: center;
font-size: 40px;
padding: 20px 0;
}
```

```
h2{
color: #4E1F00;
}
```

```
.container {
background-color: #fff;
border: 1px solid #4E1F00;
margin: 30px;
padding: 20px;
font-size: 16px;
width: fit-content;
}
```



```
</style>
</head>
<body>
    <div class="header">Customer Details</div>
    <form id="form1" runat="server">
        <div class="container">
            <asp:Label ID="lblDetails" runat="server" CssClass="details-box" />
        </div>
    </form>
</body>
</html>
```

CustomerDetails.aspx.vb

Imports System.Data.SqlClient

Partial Class CustomerDetails

Inherits System.Web.UI.Page

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

If Not IsPostBack Then

Dim customerId As String = Request.QueryString("cid")

If Not String.IsNullOrEmpty(customerId) Then

ShowCustomerDetails(customerId)

End If

End If

End Sub

Private Sub ShowCustomerDetails(customerId As String)

Dim connStr As String = "Data Source=DESKTOP-1D72CB1;Initial
Catalog=AirlineManagementSystem;Trusted_Connection=True"

Dim query As String = "SELECT * FROM Customer WHERE CustomerID =
@CustomerId"

Using conn As New SqlConnection(connStr)

Using cmd As New SqlCommand(query, conn)

cmd.Parameters.AddWithValue("@CustomerId", customerId)

conn.Open()

Dim reader As SqlDataReader = cmd.ExecuteReader()

If reader.Read() Then

lblDetails.Text = "Customer ID: " & reader("CustomerID") &
"
" &

"Name: " & reader("Name") & "
" &

"Email: " & reader("Email") & "
" &

"Gender: " & reader("Gender") & "
"

Else

lblDetails.Text = "Customer not found."

End If

End Using

End Using

End Sub

End Class

Question 3:

CustomerCookie.aspx

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

```
<!DOCTYPE html>
```

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

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

```
<title>Customer Cookie Example</title>
```

```
<style>
```

```
body, html {
    margin: 0;
    padding: 0;
    background-color: #F8F4E1;
    color: #4E1F00;
    font-family: 'Segoe UI', sans-serif;
}
```

```
.header {
    background-color: #4E1F00;
    color: #F8F4E1;
    text-align: center;
    font-size: 40px;
    padding: 20px 0;
}
```

```
.messageBox {  
    background-color: #ffffcc;  
    padding: 15px;  
    border: 1px solid #ccc;  
    width: calc(100% - 40px);  
}
```

```
#form1{  
    display: flex;  
    flex-direction:column;  
    width:fit-content;  
    gap: 20px;  
    margin-left: 30px;  
}
```

```
label {  
    font-weight: bold;  
}
```

```
.textbox {  
    padding: 8px;  
    width: 250px;  
    margin-right: 10px;  
    border: 1px solid #ccc;  
    border-radius: 4px;  
}
```

```
.button {  
    padding: 8px 16px;  
    background-color: #4E1F00;  
    color: #F8F4E1;  
    border: none;  
    border-radius: 4px;  
    cursor: pointer;  
    width: fit-content;  
}
```

```
.button:hover {  
    background-color: #6f2f00;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="header">Customer Cookie System</div>
```

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

```
<asp:Label ID="lblMessage" runat="server" CssClass="messageBox" Text="Unknown  
Customer"></asp:Label>
```

```
<div class="form-container">
```

```
<label for="txtName">Name:</label>
```

```
<asp:TextBox ID="txtName" runat="server" CssClass="textbox" />
```

```
</div>
```

```
<asp:Button ID="btnCreateCookie" runat="server" Text="Create Cookie"
CssClass="button" OnClick="btnCreateCookie_Click" />

</form>

</body>

</html>
```

CustomerCookie.aspx.vb

Partial Class CustomerCookie

Inherits System.Web.UI.Page

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

 If Not IsPostBack Then

 If Request.Cookies("CustomerInfo") IsNot Nothing Then

 Dim name As String = Request.Cookies("CustomerInfo")("Name")

 Dim dateTime As String = Request.Cookies("CustomerInfo")("DateTime")

 lblMessage.Text = "Cookie Found.
Welcome, Mr. " & name &
"
Last Visit: " & dateTime

 txtName.Text = name

 Else

 lblMessage.Text = "Unknown Customer"

 End If

 End If

End Sub

Protected Sub btnCreateCookie_Click(ByVal sender As Object, ByVal e As EventArgs)

```
Dim name As String = txtName.Text.Trim()

If name <> "" Then

    Dim customerCookie As New HttpCookie("CustomerInfo")

    customerCookie("Name") = name

    customerCookie("DateTime") = DateTime.Now.ToString("f")

    customerCookie.Expires = DateTime.Now.AddDays(30)

    Response.Cookies.Add(customerCookie)

    lblMessage.Text = "<strong>Cookie Created.</strong><br/>New Customer: Mr. " &
name

    End If

End Sub

End Class
```