

Problem 1:**HiddenFieldExample.aspx file:**

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

<!DOCTYPE html>

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

<head runat="server">

<title>Hidden Field Example</title>

<script type="text/javascript">

    function changeWClientSide() {

        document.getElementById('<%= HiddenW.ClientID %>').value = "9999";

        alert("Hidden field 'W' changed to 9999 on client side!");

    }

</script>

</head>

<body>

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

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

    <asp:Label ID="lblOutput" runat="server" Font-Bold="true" ForeColor="Blue" />

<br /><br />
```

```
<asp:Button ID="btnStore" runat="server" Text="Store W in Hidden Field"
OnClick="btnStore_Click" />
```

```
&nbsp;
```

```
<asp:Button ID="btnRetrieve" runat="server" Text="Retrieve and Show W"
OnClick="btnRetrieve_Click" />
```

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

```
<input type="button" value="Change W on Client Side to 9999"
onclick="changeWClientSide()" />
```

```
</form>
```

```
</body>
```

```
</html>
```

HiddenFieldExample.aspx.vb file:

Partial Class HiddenFieldExample

Inherits System.Web.UI.Page

```
Protected Sub btnStore_Click(ByVal sender As Object, ByVal e As EventArgs)
```

```
    lblOutput.Text = "W has been stored in the hidden field as: " & HiddenW.Value
```

```
End Sub
```

```
Protected Sub btnRetrieve_Click(ByVal sender As Object, ByVal e As EventArgs)
```

```
    Dim wValue As String = HiddenW.Value
```

```
    lblOutput.Text = "Retrieved W from hidden field: " & wValue
```

End Sub

End Class

Problem 2:

CustomerSelection.aspx file:

```
<%@ Page Language="vb" AutoEventWireup="true"
CodeFile="CustomerSelection.aspx.vb" Inherits="CustomerSelection" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Customer Selection</title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h2>Customer Information</h2>

            <asp:Label ID="lblCustomer" runat="server" Text="Select Customer:"></asp:Label>
            <asp:ListBox ID="lstCustomers" runat="server" SelectionMode="Single">
                <asp:ListItem Text="John Smith" Value="101"></asp:ListItem>
                <asp:ListItem Text="Sarah Johnson" Value="102"></asp:ListItem>
                <asp:ListItem Text="Michael Brown" Value="103"></asp:ListItem>
                <asp:ListItem Text="Emily Davis" Value="104"></asp:ListItem>
            </asp:ListBox>
```

```
<br /><br />

<asp:Label ID="lblComments" runat="server" Text="Comments:"></asp:Label>

<asp:TextBox ID="txtComments" runat="server" TextMode="MultiLine"
Rows="3"></asp:TextBox>

<br /><br />

<asp:Label ID="lblPriority" runat="server" Text="Priority:"></asp:Label>
<asp:RadioButtonList ID="rblPriority" runat="server">
    <asp:ListItem Text="Low" Value="Low" Selected="True"></asp:ListItem>
    <asp:ListItem Text="Medium" Value="Medium"></asp:ListItem>
    <asp:ListItem Text="High" Value="High"></asp:ListItem>
</asp:RadioButtonList>

<asp:CheckBox ID="chkFollowUp" runat="server" Text="Requires follow-up" />

<br /><br />

<asp:Button ID="btnSubmit" runat="server" Text="Submit" />
</div>
</form>
</body>
</html>
```

CustomerSelection.aspx.vb file:

Partial Class CustomerSelection

Inherits System.Web.UI.Page

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

If lstCustomers.SelectedItem IsNot Nothing Then

Dim customerId As String = lstCustomers.SelectedItem.Value

Dim customerName As String = lstCustomers.SelectedItem.Text

Dim comments As String = Server.UrlEncode(txtComments.Text)

Dim priority As String = rblPriority.SelectedValue

Dim followUp As String = If(chkFollowUp.Checked, "Yes", "No")

Dim queryString As String = "CustomerDetails.aspx?cid=" & customerId &

"&name=" & Server.UrlEncode(customerName) &

"&comments=" & comments &

"&priority=" & priority &

"&followup=" & followUp

Response.Redirect(queryString)

Else

ClientScript.RegisterStartupScript(Me.GetType(), "alert", "alert('Please select a
customer.');" , True)

End If

End Sub

End Class

CustomerDetails.aspx file:

```
<%@ 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 { font-family: Arial; margin: 20px; }
```

```
    .detail { margin-bottom: 10px; }
```

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

```
</style>
```

```
</head>
```

```
<body>
```

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

```
<div>
```

```
<h2>Customer Details</h2>
```

```
<div class="detail">
```

```
<span class="label">Customer ID:</span>
```

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

```
</div>
```

```
<div class="detail">
```

```
    <span class="label">Customer Name:</span>
```

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

```
</div>
```

```
<div class="detail">
```

```
    <span class="label">Comments:</span>
```

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

```
</div>
```

```
<div class="detail">
```

```
    <span class="label">Priority:</span>
```

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

```
</div>
```

```
<div class="detail">
```

```
    <span class="label">Follow Up Required:</span>
```

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

```
</div>
```

```
<br />
```

```
<asp:Button ID="btnBack" runat="server" Text="Back to Selection"
```

```
   PostBackUrl="~/CustomerSelection.aspx" />
```

```
</div>
```

```
</form>
```

</body>

</html>

CustomerDetails.aspx.vb file:

Partial Class CustomerDetails

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.QueryString("cid") IsNot Nothing Then

lblCustomerId.Text = Request.QueryString("cid")

lblCustomerName.Text = Server.UrlDecode(Request.QueryString("name"))

lblComments.Text = Server.UrlDecode(Request.QueryString("comments"))

lblPriority.Text = Request.QueryString("priority")

lblFollowUp.Text = Request.QueryString("followup")

Else

Response.Redirect("CustomerSelection.aspx")

End If

End If

End Sub

End Class

Problem 3:**CookieExample.aspx file:**

```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="CookieExample.aspx.vb"
Inherits="CookieDemo" %>

<!DOCTYPE html>

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

<head runat="server">

    <title>Cookie Example</title>

</head>

<body>

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

        <div style="width: 400px; padding: 10px; background-color: #ffffcc; font-family: Arial;">

            <asp:Label ID="lblMessage" runat="server" Font-Size="Large"></asp:Label><br /><br
/>

        </div>

        <br />

        <asp:Label ID="lblName" runat="server" Text="Name:"></asp:Label>

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

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

    </form>
```

</body>

</html>

CookieExample.aspx.vb file:

Partial Class CookieDemo

Inherits System.Web.UI.Page

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

If Not IsPostBack Then

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

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

Dim visitTime As String = Request.Cookies("CustomerInfo")("Time")

lblMessage.Text = "Cookie Found.
Welcome, Mr. " & customerName & "
Last Visit: " & visitTime

Else

lblMessage.Text = "Unknown Customer"

End If

End If

End Sub

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

Dim customerName As String = txtName.Text

Dim timeNow As String = DateTime.Now.ToString()

Dim customerCookie As New HttpCookie("CustomerInfo")

```
customerCookie("Name") = customerName
```

```
customerCookie("Time") = timeNow
```

```
customerCookie.Expires = DateTime.Now.AddDays(7) ' Persistent for 7 days
```

```
Response.Cookies.Add(customerCookie)
```

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

```
End Sub
```

```
End Class
```