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**Computer and Information Sciences**

**Internet Application Development**

**LAB Number: 06**

**Question Number: 01**

### **Task\_1.aspx**

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="Task_1.aspx.vb"
Inherits="_Default1" %>
```

```
<!DOCTYPE html>
```

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

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

```
    <title>Store and Retrieve Hidden Field</title>
```

```
    <script type="text/javascript">
```

```
        function alteredW() {
```

```
            document.getElementById('<%= HiddenW.ClientID %>').value = "12345";
```

```
            alert("Hidden field 'W' changed to 12345 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="Black" />

<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="Show W" OnClick="btnRetrieve_Click"
/>

<br /><br />

<input type="button" value="Change W on Client Side" onclick="alteredW()" />

</form>

</body>

</html>
```

## **Task\_1.aspx.vb**

Partial Class \_Default1

Inherits System.Web.UI.Page

Protected Sub btnStore\_Click(ByVal sender As Object, ByVal e As EventArgs)

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

End Sub

End Class
```

## Question Number: 02

### Task\_2a.aspx

```
<%@ Page Language="vb" AutoEventWireup="true" CodeFile="Task_2a.aspx.vb"
Inherits="Default2a" %>

<!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="Aashir" Value="101"></asp:ListItem>

    <asp:ListItem Text="Arham" Value="102"></asp:ListItem>

    <asp:ListItem Text="Mehrma" Value="103"></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="Regular Customer" Value="Regular Customer"></asp:ListItem>

    <asp:ListItem Text="New Customer" Value="New Customer"></asp:ListItem>

</asp:RadioButtonList>

<br /><br />

<asp:Button ID="btnSubmit" runat="server" Text="Submit" />

</div>

</form>

</body>

</html>
```

## Task\_2a.aspx.vb

Partial Class Default2a

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 queryString As String = "Task\_2b.aspx?cid=" & customerId &

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

            "&comments=" & comments &

            "&priority=" & priority

        Response.Redirect(queryString)

    Else

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

    End If

End Sub

End Class

## **Task\_2b.aspx**

```
<%@ Page Language="vb" AutoEventWireup="false" CodeFile="Task_2b.aspx.vb"
Inherits="Default2b" %>
```

```
<!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>

<br />

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

PostBackUrl="~/Task\_2a.aspx" />

</div>

</form>

</body>

</html>

## **Task\_2b.aspx.vb**

Partial Class Default2b

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")

        Else

            Response.Redirect("Task\_2a.aspx")

        End If

    End If

End Sub

End Class

**Question Number: 03**

## **Task\_3.aspx**



```
<%@ Page Language="VB" AutoEventWireup="true" CodeFile="Task_3.aspx.vb"
Inherits="_Default3" %>
```

```
<!DOCTYPE html>
```

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

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

```
    <title>Cookies</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>
```

## Task\_3.aspx.vb

Partial Class \_Default3

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.<br />Welcome, Mr. " & customerName & "<br />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
```