

ASP.NET Programming Examples

Outline of the Lecture

- Example 20-1
- Example 20-2
- Example 20-3
- Example 20-4

Example 20-1 (Design)

```

<%@ Page language="c#" Codebehind="MobileWebForm1.aspx.cs"
    Inherits="MobileWebApplication4.MobileWebForm1"
    AutoEventWireup="false" %>
<%@ Register TagPrefix="mobile" Namespace="System.Web.UI.MobileControls"
    Assembly="System.Web.Mobile" %>
<HEAD>
    <meta name="GENERATOR" content="Microsoft Visual Studio .NET 7.1">
    <meta name="CODE_LANGUAGE" content="C#">
    <meta name="vs_targetSchema"
content="http://schemas.microsoft.com/Mobile/Page">
</HEAD>
<body Xmlns:mobile="http://schemas.microsoft.com/Mobile/WebForm">
<mobile:form id="Form1" runat="server">
    <P>
    <mobile:Label id="Label1" runat="server">
        Select the companies</mobile:Label>
    </P>
    <P>
    <mobile:SelectionList id="SelectionList1" runat="server"
        SelectType="MultiSelectListBox">
        <Item Value="1" Text="IBM"></Item>
        <Item Value="2" Text="Intel"></Item>

```

```

        <Item Value="3" Text="STS"></Item>
        <Item Value="4" Text="JOC"></Item>
        <Item Value="5" Text="TSR"></Item>
    </mobile:SelectionList>
</P>
<P> <mobile:Command id="Command1" runat="server">
        Command</mobile:Command> </P>
</mobile:form>
<mobile:form id="Form2" runat="server">
    <mobile:Label id="Label2" runat="server">Label</mobile:Label>
    <mobile:Link id="Link1" runat="server" NavigateUrl="#Form1">
        Go Back</mobile:Link>
</mobile:form>
</body>

```

Example 20-1 (Code-Behind)

```

using System;
using System.Collections;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Web;
using System.Web.Mobile;
using System.Web.SessionState;
using System.Web.UI;
using System.Web.UI.MobileControls;
using System.Web.UI.WebControls;
using System.Web.UI.HtmlControls;
namespace MobileWebApplication4
{
    public class MobileWebForm1 : System.Web.UI.MobileControls.MobilePage
    {
        protected System.Web.UI.MobileControls.Label Label1;
        protected System.Web.UI.MobileControls.SelectionList SelectionList1;
        protected System.Web.UI.MobileControls.Command Command1;
    }
}

```

```
protected System.Web.UI.MobileControls.Form Form2;
protected System.Web.UI.MobileControls.Label Label2;
protected System.Web.UI.MobileControls.Link Link1;
protected System.Web.UI.MobileControls.Form Form1;
private void Page_Load(object sender, System.EventArgs e)
{
    // Put user code to initialize the page here
}
#region Web Form Designer generated code
override protected void OnInit(EventArgs e)
{
    // CODEGEN: This call is required by the ASP.NET Web Form Designer.
    InitializeComponent();
    base.OnInit(e);
}
private void InitializeComponent()
{
    this.Command1.ItemCommand += new
System.Web.UI.WebControls.CommandEventHandler(this.Command1_ItemCommand);
    this.Command1.Click += new
System.EventHandler(this.Command1_Click);
    this.Load += new System.EventHandler(this.Page_Load);
}
#endregion
private void Command1_Click(object sender, System.EventArgs e)
{
    string str = "";
    foreach (MobileListItem mli in SelectionList1.Items)
    {
        if (mli.Selected)
        {
            str += mli.Text+ "\t";
        }
    }
}
```

```

        if (str.Length > 0)
        {
            Label2.Text = str;
        }
        else
        {
            Label2.Text = "Nothing is selected";
        }
        this.ActiveForm = Form2;
    }
    private void Command1_ItemCommand(object sender,
        System.Web.UI.WebControls.CommandEventArgs e)
    {
    }
}
}

```

Example 20-2 (Design)

```

<%@ Register TagPrefix="mobile"
    Namespace="System.Web.UI.MobileControls"
    Assembly="System.Web.Mobile" %>
<%@ Page Inherits="System.Web.UI.MobileControls.MobilePage"
    Language="c#" %>
<script language="c#" runat="server" >
public void PriceHandler(Object sender, EventArgs e)
{
    String selectedStereoComponent = StereoComponents.Selection.Value;
    Price.Text = StereoComponents.Selection.Text
        + " at " + selectedStereoComponent;
    ActiveForm = PricePage;
}
</script>
<mobile:Form runat="server" id="Form1">

```

```

<mobile:SelectionList id="StereoComponents" runat="server">
    <item Text="Amplifier" Value="$500.00" />
    <item Text="Compact Disc" Value="$600.00" />
    <item Text="Receiver" Value="$1000.00" />
    <item Text="Speakers" Value="$800.00" />
</mobile:SelectionList>
<mobile:Command id="Command1" onclick="PriceHandler" runat="server">
    Get the price!</mobile:Command>
</mobile:Form>
<mobile:Form runat="server" id="PricePage">
    <mobile:Label id="PriceMessage" runat="server">Stereo Component Price
    Request</mobile:Label>
    <mobile:Label id="Price" runat="server"></mobile:Label>
</mobile:Form>

```

Example 20-2 (Code-Behind)

```

using System;
using System.Collections;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Web;
using System.Web.Mobile;
using System.Web.SessionState;
using System.Web.UI;
using System.Web.UI.MobileControls;
using System.Web.UI.WebControls;
using System.Web.UI.HtmlControls;
namespace Selectionlist2
{
    public class MobileWebForm1 : System.Web.UI.MobileControls.MobilePage
    {
        protected System.Web.UI.MobileControls.SelectionList StereoComponents;
        protected System.Web.UI.MobileControls.Command Command1;
        protected System.Web.UI.MobileControls.Label PriceMessage;
    }
}

```

```

protected System.Web.UI.MobileControls.Label Price;
protected System.Web.UI.MobileControls.Form PricePage;
protected System.Web.UI.MobileControls.Form Form1;
private void Page_Load(object sender, System.EventArgs e)
{
    // Put user code to initialize the page here
}
#region Web Form Designer generated code
override protected void OnInit(EventArgs e)
{
    InitializeComponent();
    base.OnInit(e);
}
private void InitializeComponent()
{
    this.Load += new System.EventHandler(this.Page_Load);
}
#endregion
}
}

```

Example 20-3 (Design)

```

<%@ Page Inherits="System.Web.UI.MobileControls.MobilePage"
    Language="c#" %>
<%@ Register TagPrefix="mobile"
    Namespace="System.Web.UI.MobileControls"
    Assembly="System.Web.Mobile" %>
<script language="c#" runat="server" ID="Script1">
public void Page_Load(Object sender, EventArgs e)
{
    if (!IsPostBack)
    {
        Label1.Text = "Pick an item";
    }
}

```

```
// Create and fill an array list.
ArrayList values = new ArrayList();
values.Add("one");
values.Add("two");
values.Add("three");
// Bind the array to the list.
SelectionList1.DataSource = values;
SelectionList1.DataBind();
// Set the SelectType property.
SelectionList1.SelectType =
    System.Web.UI.MobileControls.ListSelectType.Radio;
}
}
public void Button_Click(Object sender, EventArgs e)
{
    if (SelectionList1.SelectedIndex > -1)
    {
        // To show the selection, get the Selection property.
        Label1.Text = "You have selected " +
            SelectionList1.Selection.Text;
        // This is an alternate means of showing the selection
        // using the MobileListItemCollection object.
        Label2.Text = "You have selected " +
            SelectionList1.Items[SelectionList1.SelectedIndex].Text;
    }
    else
    {
        Label1.Text = "No items selected";
    }
}
</script>
<mobile:Form id="Form1" runat="server">
    <mobile:Label id="Label1" runat="server" Text="Show a list." />
    <mobile:Label runat="server" id="Label2" />
</mobile:Form>
```

```
<mobile:SelectionList runat="server" id="SelectionList1" />
<mobile:Command OnClick="Button_Click" Text="Ok" runat="server"
ID="Command1"/>
</mobile:Form>
```

Example 20-3 (Code-Behind)

```
using System;
using System.Collections;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Web;
using System.Web.Mobile;
using System.Web.SessionState;
using System.Web.UI;
using System.Web.UI.MobileControls;
using System.Web.UI.WebControls;
using System.Web.UI.HtmlControls;
namespace selectionlist3
{
    public class MobileWebForm1 : System.Web.UI.MobileControls.MobilePage
    {
        protected System.Web.UI.MobileControls.Form Form1;
        private void Page_Load(object sender, System.EventArgs e)
        {
            // Put user code to initialize the page here
        }
        #region Web Form Designer generated code
        override protected void OnInit(EventArgs e)
        {
            InitializeComponent();
            base.OnInit(e);
        }
        private void InitializeComponent()
        {
```



```
        this.Load += new System.EventHandler(this.Page_Load);
    }
    #endregion
}
}
```

Example 20-4 (Design)

```
<%@ Page Language="c#"
    Inherits="System.Web.UI.MobileControls.MobilePage" %>
<script runat="server" id="Script1" >
public void MyEventHandler(Object source, ListCommandEventArgs e)
{
    Selection.Text = "You selected " + e.ListItem.Text;
    ActiveForm = SecondForm;
    switch (e.ListItem.Text)
    {
        case "French":
            Selection.Text = "Bonjour le monde";
            break;
        case "German":
            Selection.Text = "Hallo Welt";
            break;
        case "Italian":
            Selection.Text = "Ciao il mondo";
            break;
        case "Norwegian":
            Selection.Text = "Hei verden";
            break;
        case "Portuguese":
            Selection.Text = "Oi mundo";
            break;
        default:
            Selection.Text = "Hello World";
    }
}
```

```

        break;
    }
}
</script>
<mobile:Form id="ListStuff" runat="server" BackColor="White"
    ForeColor="#bb7023">
    <mobile:Label id="label" runat="server">Pick a Language!</mobile:Label>
    <mobile:List id="ListMe" runat="server"
        OnItemCommand="MyEventHandler">
        <item Text="English" />
        <item Text="French" />
        <item Text="German" />
        <item Text="Italian" />
        <item Text="Norwegian" />
        <item Text="Portuguese" />
    </mobile:List>
</mobile:Form>
<mobile:Form id="SecondForm" runat="server" BackColor="White"
    ForeColor="Green">
    <mobile:Label id="Label1" runat="server" NAME="Label1">
        Your "Hello World" Translation</mobile:Label>
    <mobile:Label id="Selection" runat="server">1</mobile:Label>
    <mobile:Link id="GoBack" runat="server"
        NavigateURL="#ListStuff">back</mobile:Link>
</mobile:Form>

```

Example 20-4 (Code-Behind)

```

using System;
using System.Collections;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Web;
using System.Web.Mobile;
using System.Web.SessionState;

```

```
using System.Web.UI;
using System.Web.UI.MobileControls;
using System.Web.UI.WebControls;
using System.Web.UI.HtmlControls;
namespace selection4
{
    public class MobileWebForm1 : System.Web.UI.MobileControls.MobilePage
    {
        protected System.Web.UI.MobileControls.Label label;
        protected System.Web.UI.MobileControls.List ListMe;
        protected System.Web.UI.MobileControls.Form ListStuff;
        protected System.Web.UI.MobileControls.Label Label1;
        protected System.Web.UI.MobileControls.Label Selection;
        protected System.Web.UI.MobileControls.Link GoBack;
        protected System.Web.UI.MobileControls.Form SecondForm;
        private void Page_Load(object sender, System.EventArgs e)
        {
            // Put user code to initialize the page here
        }
        #region Web Form Designer generated code
        override protected void OnInit(EventArgs e)
        {
            InitializeComponent();
            base.OnInit(e);
        }
        private void InitializeComponent()
        {
            this.Load += new System.EventHandler(this.Page_Load);
        }
        #endregion
    }
}
```