

ACCP 17.1 – SEMESTER 3 **BEGINNING ASP.NET**

Session 2 Review

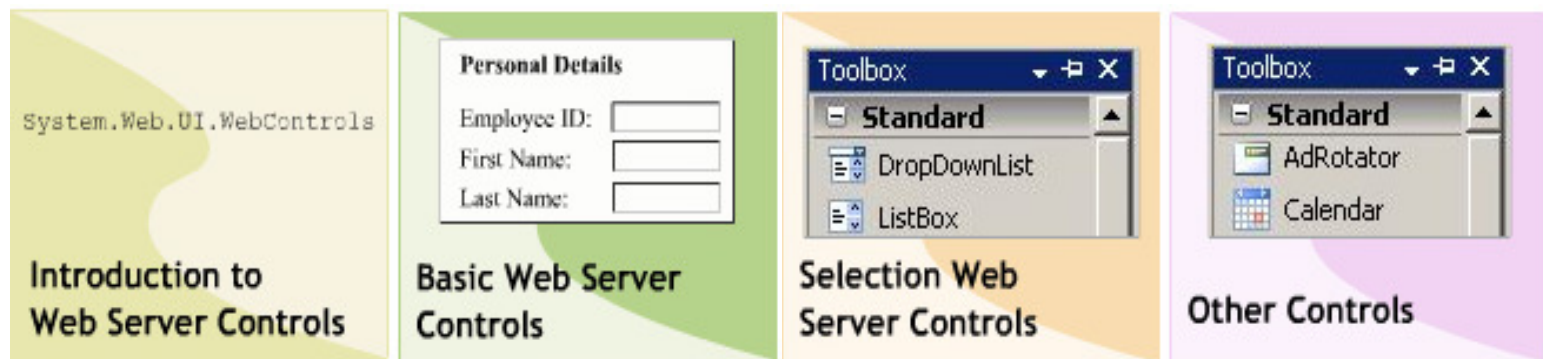
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- ❑ ASP.NET Web Page Code Model
- ❑ Basic Event Handling in Web Pages
- ❑ Request Object
- ❑ Response Object
- ❑ Server Object

Session 3 Objectives

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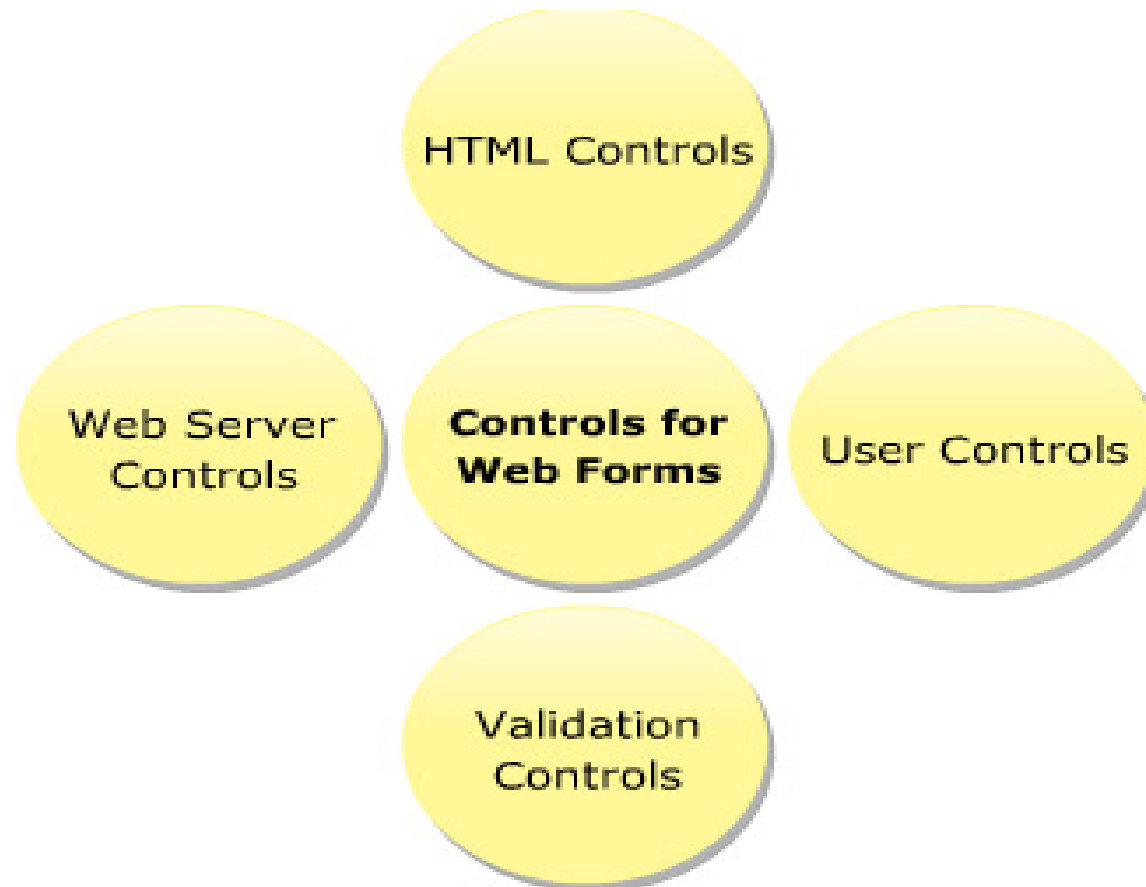
- Introduction to Web Server Controls
- Basic Web Server Controls
- Selection Web Server Controls
- Other Controls



Introduction to Web Server Controls

Control Categories

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Introduction to Web Server Controls

Features of Web Server Controls

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- Browser detection
 - ▣ Automatically detect the browser capabilities
- Template usage
 - ▣ For customizing page layout
- Theme support
 - ▣ Define a standard appearance for the whole site

Introduction to Web Server Controls

The WebControls namespace

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System.Web.UI.WebControls

- Label
- TextBox
- Button
- Image
- Table
- ListBox
- AdRotator

Introduction to Web Server Controls

The WebControl Class

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- Base class for the most Web controls

Name	Description
BackColor property	Specifies or retrieves the background color of the Web server control.
ForeColor property	Specifies or retrieves the foreground color of the Web server control.
Height property	Specifies or retrieves the height of the Web server control.
ID property	Specifies or retrieves the unique identifier assigned to the Web server control.
Visible property	Specifies or retrieves a boolean value indicating whether the Web server control is displayed on the page or not.
Width property	Specifies or retrieves the width of the Web server control.
Focus() method	Sets the focus on the Web server control.
Load event	Occurs when the server control is loaded into the memory.

Basic Web Server Controls

Label

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User name: Brown

Password: *****

OK Cancel

Label Control

Properties	Methods
AccessKey	HasControls()
BorderStyle	ToString()
EnableViewState	
Page	
Text	

Basic Web Server Controls

TextBox

The TextBox control allows you to display a textbox on a Web page. The textbox is generally used to accept the input from the user.

Properties

- ❖ AutoPostBack
- ❖ MaxLength
- ❖ TextMode
- ❖ Text

Method

- HasControls()
- ToString()

Event

- TextChange

A screenshot of a web form with four text boxes. The first three are grouped by a red rounded rectangle. An arrow points from the text "Text Boxes" to the right side of the red rectangle.

Name:	Greg Smith
Age:	43
Address:	42, Park Avenue.
E-mail:	greg_smith@hotmail.com

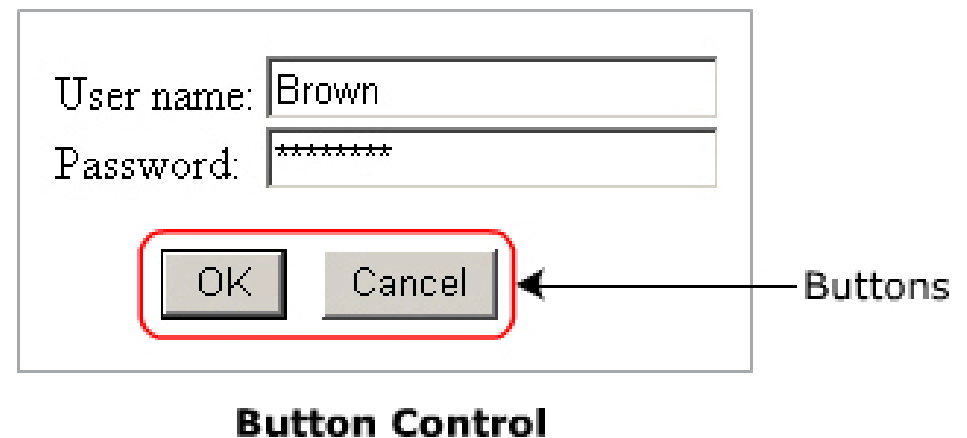
TextBox Control

Basic Web Server Controls

Button

The Button control is a clickable control that is primarily used to submit information to the Web server.

Properties	Event
AccessKey	Click
CausesValidation	Command
Enable	
Text	



Basic Web Server Controls

Image

Properties	Methods
AlternateText	GetType()
EnableViewState	ToString()
ImageAlign	
ImageUrl	
ToolTip	

```
Image imgFlower = new Image();  
imgFlower.ImageUrl = "~\\Rose.jpg";  
imgFlower.AlternateText = "Rose";  
imgFlower.EnableViewState = true;  
imgFlower.ImageAlign = ImageAlign.Middle;  
imgFlower.ToolTip = "A king of flower, Rose";  
frmProductDetails.Controls.Add(imgFlower);
```

Basic Web Server Controls

ImageButton

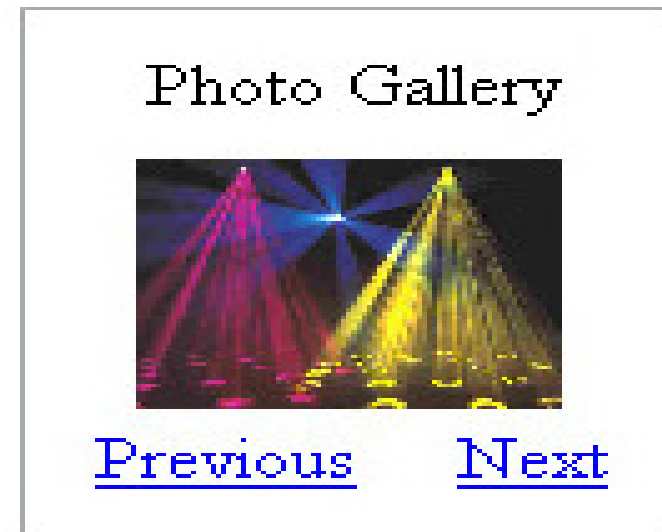
Properties	Methods	Events
AlternateText	GetType()	Click
EnableViewState	ToString()	Command
ImageAlign		
ImageUrl		
OnClickClientClick		

```
ImageButton ibtnNext = new ImageButton();
ibtnNext.ImageUrl = "~WNext.gif";
ibtnNext.AlternateText = "Next";
ibtnNext.ImageAlign = ImageAlign.Middle;
frmProductDetails.Controls.Add(ibtnNext);
void ibtnNext_Click(object sender,
ImageClickEventArgs e)
{
    Response.Redirect("CustomerDetails.aspx");
}
```

Basic Web Server Controls

LinkButton

Properties	Events
CausesValidation	Click
Enable	Command
Font	
PostBackUrl	



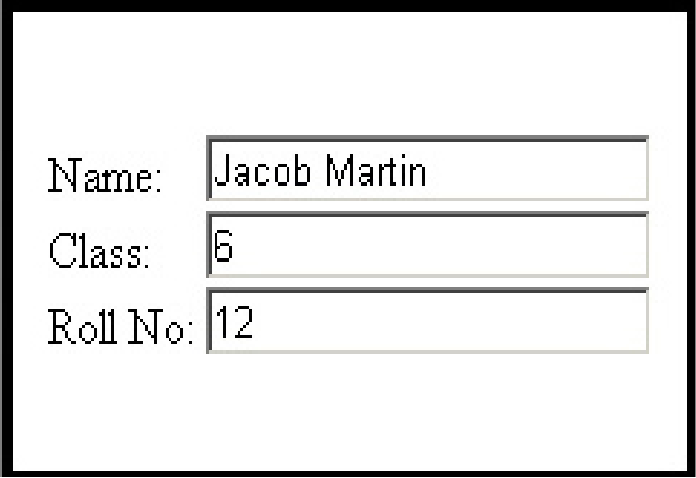
LinkButton Control

Basic Web Server Controls

Panel

A Panel control can be described as a container of different Web server controls.

Properties
Controls
EnableViewState
GroupingText
HorizontalAlign
Wrap



The diagram shows a rectangular box representing a Panel Control. Inside the box, there are three text labels followed by input fields: 'Name:' followed by a field containing 'Jacob Martin', 'Class:' followed by a field containing '6', and 'Roll No:' followed by a field containing '12'. To the right of the box, an arrow points from the text 'Panel' to the box, indicating that the box represents the Panel control.

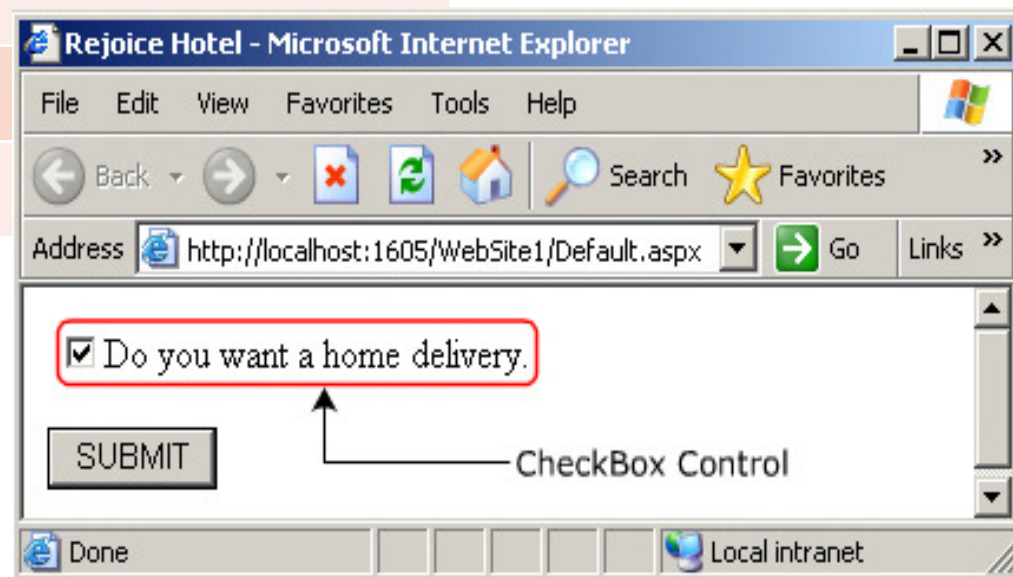
Panel Control

Selection Controls

CheckBox

The CheckBox control is used when the user has to either deselect a particular option.

Properties	Events
AutoPostBack	CheckedChanged
Checked	
Text	
Width	



Selection Controls

RadioButton

A RadioButton control is used in a Web Form when the user has to select only one of the provided options.

Properties	Events
AutoPostBack	CheckedChanged
Checked	
Text	
GroupName	

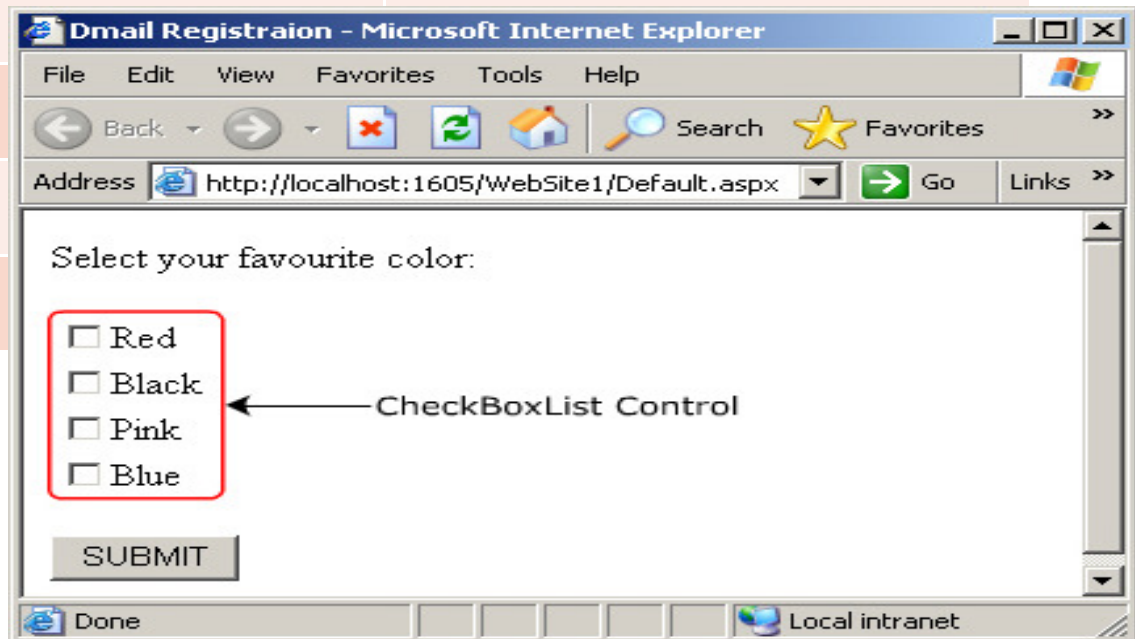


Selection Controls

CheckBoxList

The CheckBoxList class inherits all properties, methods, and events of the ListControl class,

Properties	Methods	Events
AutoPostBack	ClearSelection()	SelectedIndexChanged
Items		
SelectedIndex		
SelectedValue		
Text		

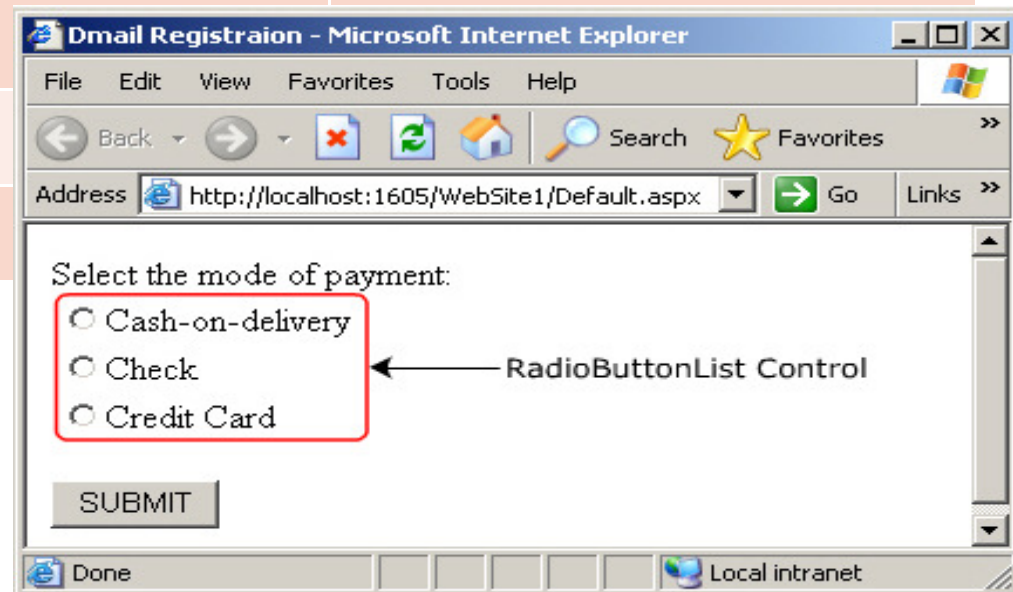


Selection Controls

RadioButtonList

The RadioButtonList class inherits the properties, methods, and events of the ListControl class.

Properties	Methods	Events
AutoPostBack	ClearSelection()	SelectedIndexChanged
Items		TextChanged
SelectedIndex		
SelectedValue		
Text		



Selection Controls

ListBox

The ListBox control is used to allow the user to select multiple items from a list.

Properties

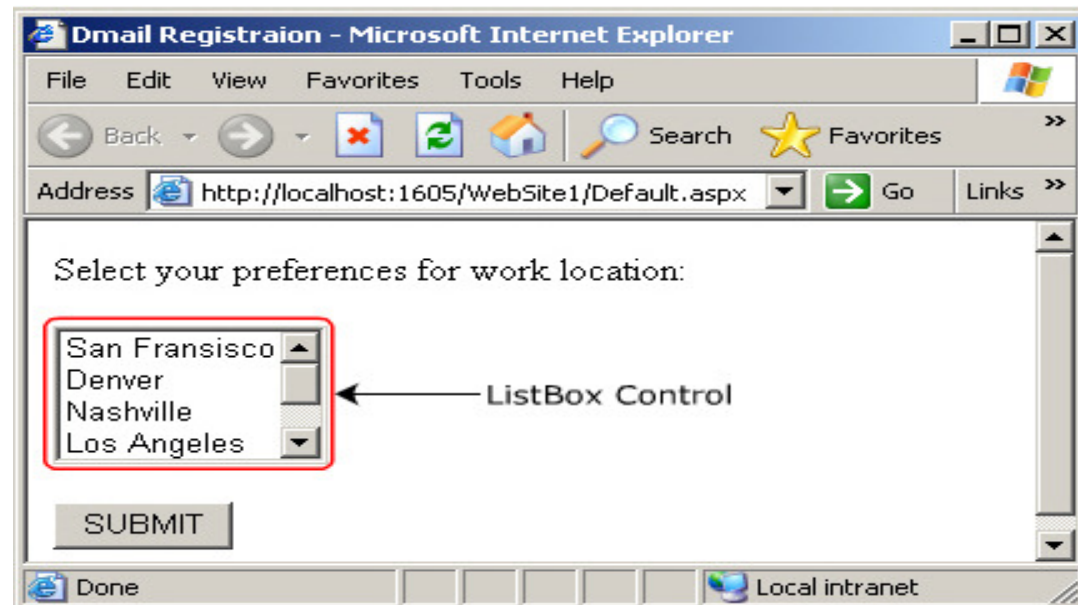
- ☐ AutoPostBack
- ☐ Items
- ☐ SelectedIndex
- ☐ SelectedItem
- ☐ SelectionMode

Method

- ☐ ClearSelection()
- ☐ GetSelectionIndices()

Event

- ☐ SelectedIndexChanged
- ☐ TextChanged



Selection Controls

DropDownList

The DropDownList control is used to create a drop-down list.

Properties

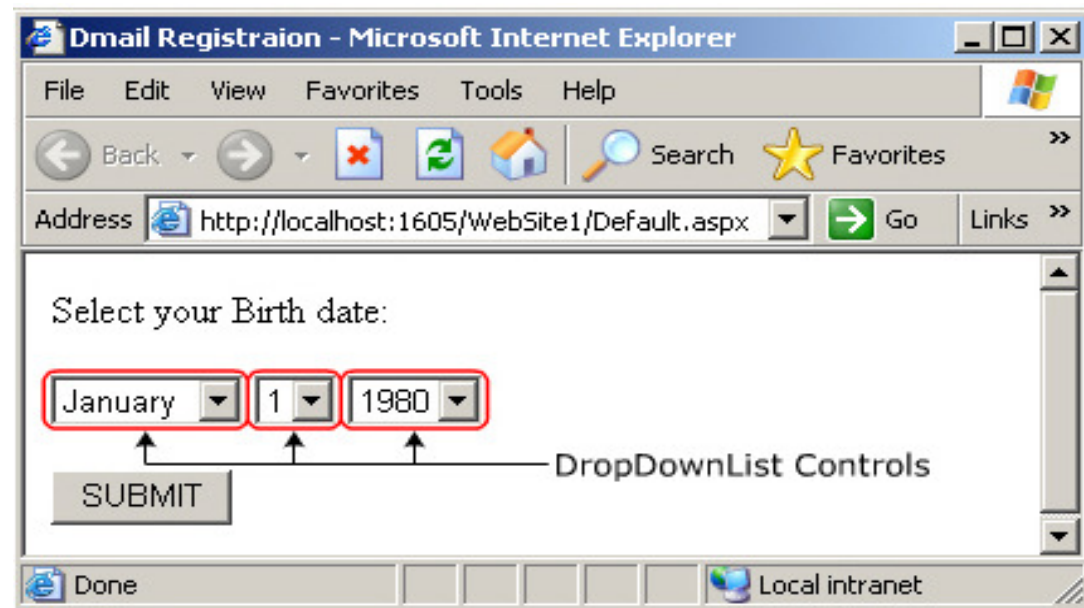
- ☐ AutoPostBack
- ☐ Items
- ☐ SelectedIndex
- ☐ SelectedItem
- ☐ Text

Method

- ☐ ClearSelection()

Event

- ☐ SelectedIndexChanged



Calendar Controls

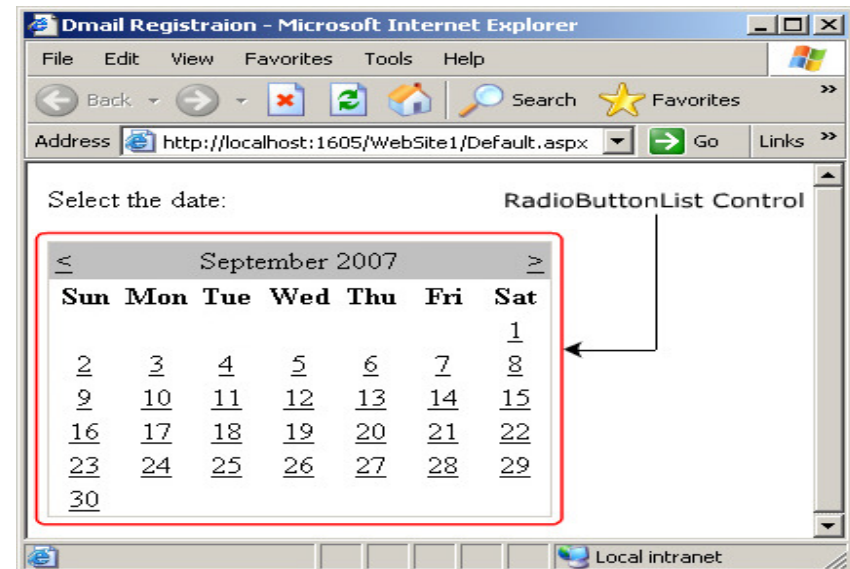
The Calendar control is used to display a calendar in the browser

Properties

- ☐ DayHeaderStyle
- ☐ DayNameFormat
- ☐ DayStyle
- ☐ SelectedDate
- ☐ SelectionMode
- ☐ TodaysDate

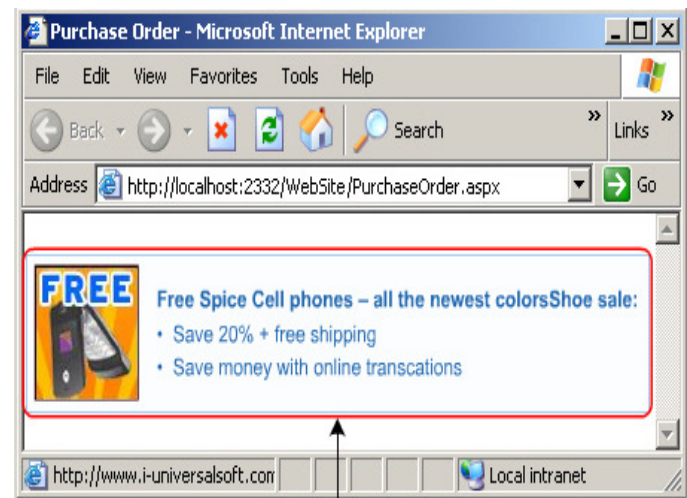
Event

- ☐ SelectionChanged
- ☐ VisibleMonthChanged
- ☐ DayRender



AdRotator Controls

- ❑ AdRotator is used to display flashing banner advertisements.
- ❑ It uses an XML file to store information regarding the advertisements.
- ❑ This XML file begins and ends with the <Advertisement> tag. Within these tags, there may be multiple <Ad> tags, each of them representing an ad.
- ❑ The <Ad> tag consists of predefined elements such as:
 - ❑ ImageUrl
 - ❑ NavigateUrl
 - ❑ AlternateText.
 - ❑ Keyword
 - ❑ Impressions



AdRotator Control

AdRotator Controls

Properties

- ❑ AdvertisementFile
- ❑ AlternateTextField
- ❑ ImageUrlField
- ❑ KeywordFilter
- ❑ NavigateUrlField

Method

- ❑ Equals()
- ❑ Focus()
- ❑ ToString()

Event

- ❑ AdCreate

Summary – Workshop Activities

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- ❑ Basic Web Server Controls : Label, TextBox Control, etc.
- ❑ Selection Web Server Controls
 - ❑ CheckBox
 - ❑ RadioButton
 - ❑ Etc.
- ❑ Other Controls : AdRotator,Calendar control.