Web Server Controls

**Different Controls in ASP.NET**

* Standard Controls
  + Used for user input such as labels, text boxes, etc.
* Data Controls
  + Databound user interface controls which directly gets information from various databases.
  + Not really good since it’s better to have a controller as intermediary between GUI and database.
* Validation Controls
  + Used to validate user input
* Navigation
  + Provides menus and paths for a website
* Login
  + Controls that provide user authentication
* AJAX extensions
  + Controls that update selected parts of a page on post back.

**Handling Events**

* **<asp:Button ID=”theButton” runat=”Server” Text=”Button” OnClick=”btnClick\_Click”/>**

**Label Controls**

* Format
  + <asp:Label ID=”lbl1” runat=”server” Text=”myLabel”>
  + <asp:Label ID=”lbl1” runat=”server”>My Label</asp:Label>

**AutoPostBack Property**

* ASP.NET pages are event driven
* An action triggers the page and server-side code is initiated
* This “Trigger” is called AutoPostBack

**AutoCompleteType Property**

* Allows fields to be auto-filled with previous values

**Button Control**

* CausesValidation -> Determines if control triggers validation on submit.
* CommandName -> Allows multiple buttons to call the same command.
  + Uses OnCommand event

**Image Buttons**

* Use ImageUrl

**ListBox vs Drop Down List**

* List box is better if you can select multiple ones simultaneously
* Drop Down List is better for having only one option.

**CheckBox vs CheckBox List**

* CheckedChanged event
* CheckBox List
  + Good to use if the data is from a data source to populate it

**Calendar Server Control**

* Put full featured calendar on pages
* Can control the look
* Rendered as table in html
* SelectionChanged() event
* ToShortDateString to convert to a string in mm/dd/yyyy

**Panel Controls**

* Groups controls together
* Servers as a “wrapper” for other controls
* Can format separately and impact all other controls.