Windows 8 Using HTML5 and JS, Part 4: Controls

Meet the expert: Peter Thorsteinson has been working for two decades in many areas of Microsoft-based software development technologies, including all the latest languages, frameworks, and tools. He has been involved in several large scale software development projects and has authored and co-authored several books and courses relating to ASP.NET, AJAX, JavaScript, WPF, WCF, WF, ADO.NET, and LINQ. Peter is currently focusing on ASP.NET MVC, jQuery, Task Parallel Library, Windows Azure, and SharePoint Development.

Prerequisites: This course assumes that students have some programming background and experience using Visual Studio 2010/2012 and Java Script, HTML5 and CSS3. In addition, the course assumes some basic knowledge of XAML markup and basic knowledge of Windows Store applications and Windows 8.

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Course description: In this course we will review a few of the many HTML5 elements that are available to us when we develop Windows 8 apps. We will also explore the WinJS controls that build on top of the elementary HTML5 markup traditionally used in web development. These WinJS controls are more powerful and flexible. Some of the WinJS controls we will explore include: AppBar, FlipView, Flyout, Repeater, SearchBox, TimePicker, and Tooltip. Finally we will look at the new WinJS 2.0 controls.

Course outline:

HTML 5 Elements
- Introduction
- HTML5 Elements
- Local Context vs Web Context
- HTML5 Controls
- Demo: HTML5
- Demo: Drawing
- Demo: UI
- Summary

WinJS Control Data Binding
- Introduction
- WinJS Control Markup
- Comparison: Button Control
- WinJS Control Rendering
- WinJS Data Binding
- Demo: Data Binding
- Summary

WinJS Controls
- Introduction
- WinJS Controls
- Demo: AppBar
- Demo: AppBar HTML
- WinJS Controls
- Demo: DatePicker
- WinJS Controls
- Demo: FlipView
- Demo: FlipView Template
- Demo: FlipView UI
- WinJS Controls
- Demo: Flyout
- Demo: Flyout UI
- Demo: Flyout JS
- Demo: Flyout Continued
- WinJS Controls
- Demo: HTML Control
- WinJS Controls
- Demo: Menu
- Demo: Menu Continued
- Summary

WinJS Controls Continued
- Introduction
- WinJS Controls (cont)
- Demo: Rating
- Demo: Rating UI
- WinJS Controls (cont)
- Demo: Repeater
- WinJS Controls (cont)
- Demo: TimePicker
- Demo: TimePicker UI
- WinJS Controls (cont)
- Demo: ToggleSwitch
- Demo: ToggleSwitchUI
- WinJS Controls (cont)
- Demo: ToolTip
- WinJS Controls (cont)
- Demo: Custom Control
- Summary

New WinJS 2.0 Controls
- Introduction
- New WinJS 2.0 Controls
- Demo: ItemContainer
- New WinJS 2.0 Controls
- Demo: Webview
- New WinJS 2.0 Controls
- Demo: Hub
- Demo: Hub Navigation
- Summary