Windows 8 Using HTML5 and JS, Part 5: Page Layout

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: This course will start out reviewing traditional CSS3 Layout, including flexbox, regions, and multicolumn layout. Then we will discuss WinJS controls that support additional UI layout options, including the ListView, SemanticZoom, and ViewBox controls. We will see that the ListView displays items in grid or list layout, whereas the SemanticZoom supports zoom between two semantic levels, and the ViewBox allows for dynamically scaling single child element to fill available space without changing aspect ratio.

Course outline:

CSS Layout
- Introduction
- CSS Layout
- CSS Position Attribute
- CSS Display Attribute
- Flexbox Layout
- Flexbox Layout (cont)
- Demo: Flexbox
- Demo: Altering the Flexbox
- Summary

Grid Layout
- Introduction
- Grid Layout
- Demo: Grid Layout
- Summary

Multi-Column Layout
- Introduction
- Multi Column Layout
- Demo: Multi Column Layout
- Summary

Regions Layout
- Introduction
- Regions Layout
- Demo: Regions Layout
- Summary

WinJS Layout
- Introduction
- WinJS Layout
- ListView
- Demo: ListView
- Demo: ListView UI
- Summary

Semantic Zoom
- Introduction
- Semantic Zoom
- Demo: Semantic Zoom
- Demo: Semantic Zoom HTML
- Demo: Semantic Zoom UI
- Summary

View Box
- Introduction
- ViewBox
- Demo: ViewBox
- Demo: ViewBox UI
- ViewBox versus Flexbox
- Summary