Live 360! Events Review

Mini HTML 5 Overview

Follow along at:
http://bit.ly/15u1FQ8 or http://html5demo1.azurewebsites.net/

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CANADA'S BEST MANAGED COMPANIES

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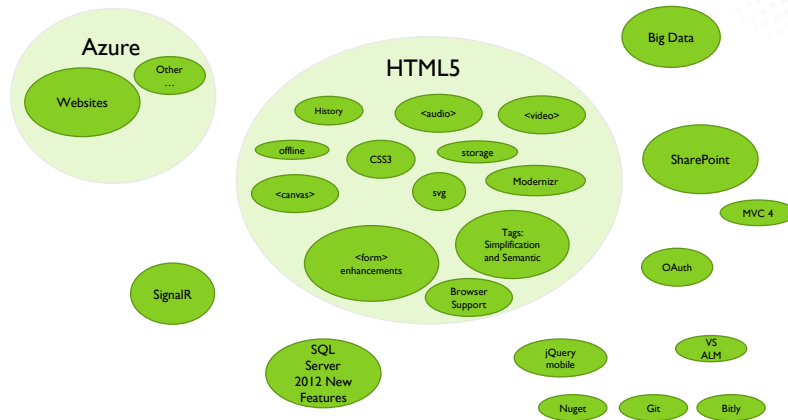## Quick Summary

▸ **Historically, was a Visual Studio Live annual event in Orlando**

▸ **1st time "combined 4 events into 1":**
  ▸ Visual Studio
  ▸ SharePoint
  ▸ SQL Server
  ▸ Cloud & Virtualization

▸ **Often there were 16 sessions happening at once!**

▸ **First and last days were "workshops"**

▸ **Microsoft technologies but not hosted by Microsoft**
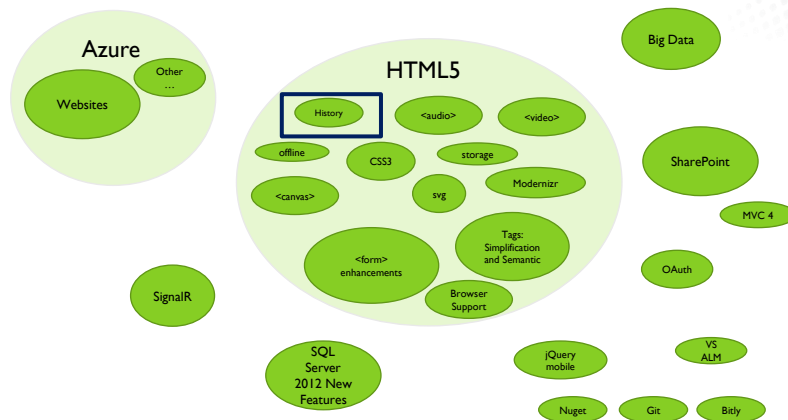
What I learnt

What I learnt

HTML5 History

- **Wee bit of history[1]:**
  - CERN and IETF: HTML (1991), HTML2 (1994)
  - W3C: HTML3 (1995), HTML3.2 & 4 (1997)
  - W3C decided to stop evolving "HTML" (1998)
  - W3C: XHTML1 (2000), XHTML 1.1 (2001)
- **W3C wanted XHTML 2… but was very strict standard**
- **Browser group formed WHATWG[2] and created HTML5**
  - Group contained: Apple, Mozilla, Opera
- **W3C's XHTML 2 ultimately died on July 2, 2009**
- **WHATWG gave W3C permission to publish HTML5… so really there are 2 specifications out there**
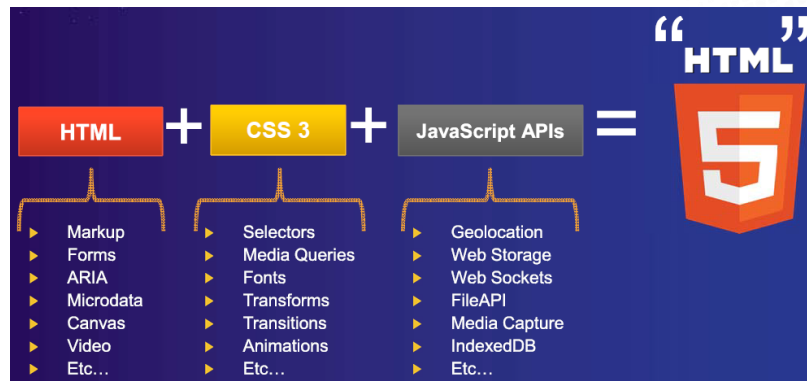
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HTML5 History

- **Apple's affect:**
  - "The world is moving to HTML5" – Steve Jobs
  - iDevices have no support for Flash
- **Logo**
- **Marketing material**

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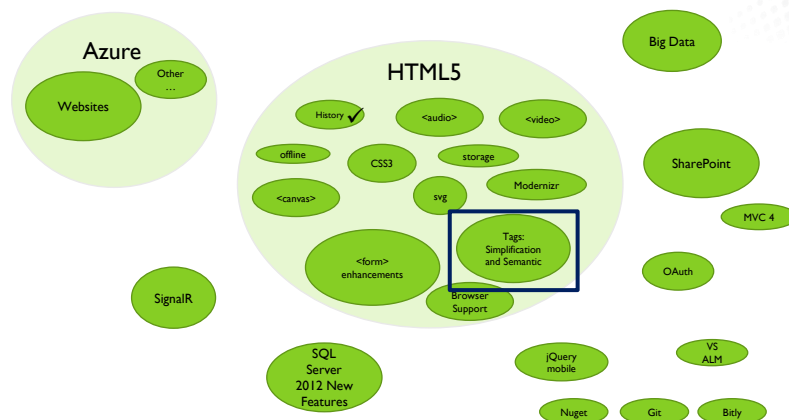
HTML5 – What is it?

▶ **What is it? HTML + CSS3 + JavaScript APIs**

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HTML5 – Simplification

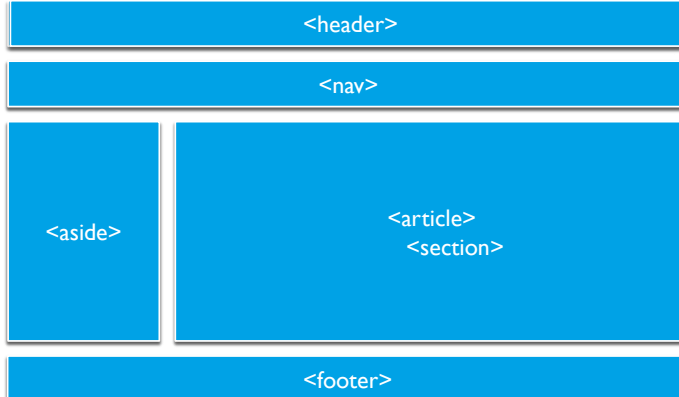<!DOCTYPE html>

<html lang="en">

<meta charset="utf-8">

Some others:

- ▶ **The type attribute is no longer required on <style> and <script> tags**
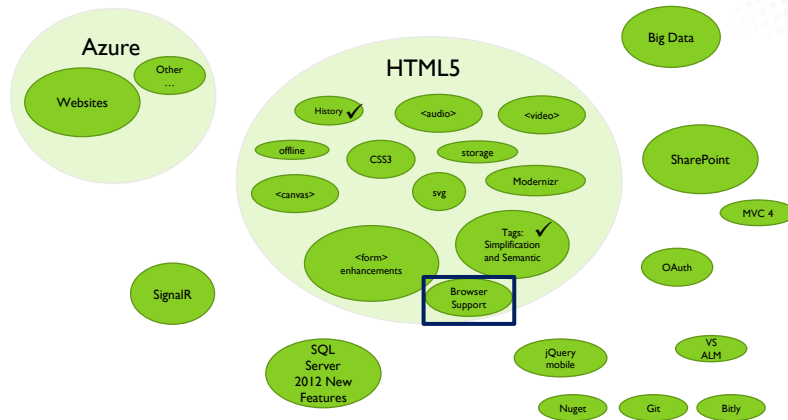- ▶ **Elements that are by nature self-closing no longer need a "/"**
  - ▶ img
  - ▶ br

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HTML5 – New Tags

<header>

<nav>

<aside>	<article> <section>

<footer>

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HTML5 - Browser Support

- ▶ **Spec moves through:**
  - ▶ 1st Published Working Draft
  - ▶ Working Draft
  - ▶ Last Call
  - ▶ Candidate Recommendation
  - ▶ Recommendation
- ▶ **IE goal is CR and up … as a result, they "score" much lower… but are getting better**
  - ▶ One easy option is Google Chrome Frame for <=8[1]
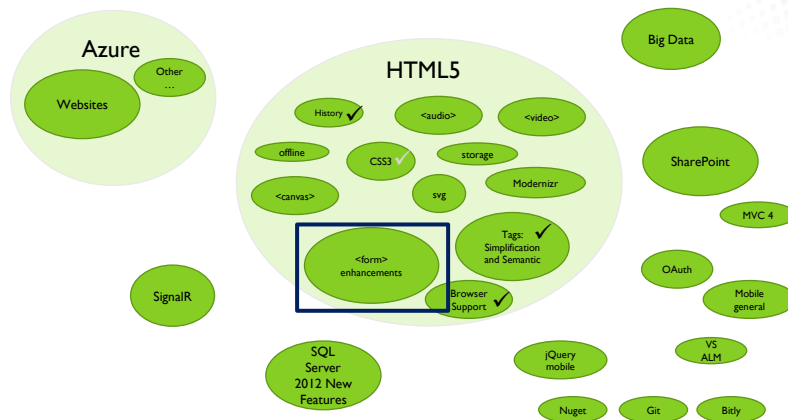
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HTML 5 – Browser Support (cont'd)

- ▶ **Html5test.com, Canluse.com, and lots of others**
- ▶ **Adoption strategies: lowest common denominator, polyfill[1] enriched**
- ▶ **DEMO 1 – 2 from**
  - ▶ http://html5demo1.azurewebsites.net/Index.html

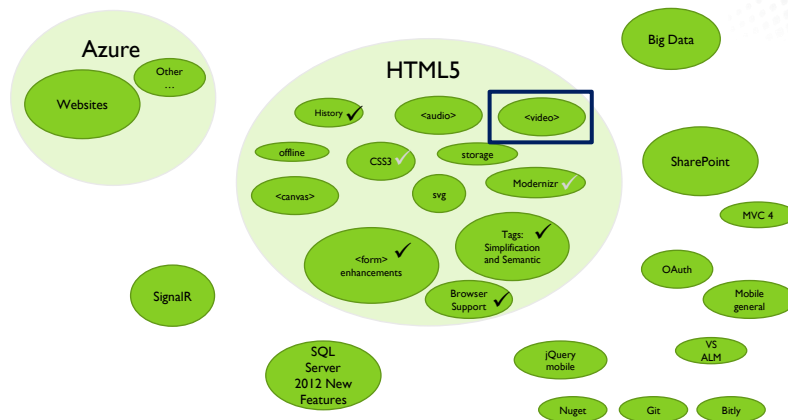|		Score	Bonus
Maxthon 4.0 »		464	15
Chrome 25 »		463	13
Opera 12.10 »		419	9
Firefox 19 »		393	10
Safari 6.0 »		378	8
Internet Explorer 10 »	*Microsoft Surface and others*	320	6
Internet Explorer 9 »		138	5
Opera 10.00 »		132	0
Firefox 3.0 »		78	0
Internet Explorer 8 »		42	0
Internet Explorer 7 »		27	0
Internet Explorer 6 »		26	0

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HTML5 Form Enhancements

- ► **<input type=**
  - ► Email, url, search, number, date, time, color, etc
- ► **New attributes**
  - ► Placeholder, autofocus, required, pattern, contenteditable
- ► **Remember sites mentioned previously: Html5test.com, canluse.com**
- ► **Also... Don't "sniff" for browsers... test for features using something like Modernizr**
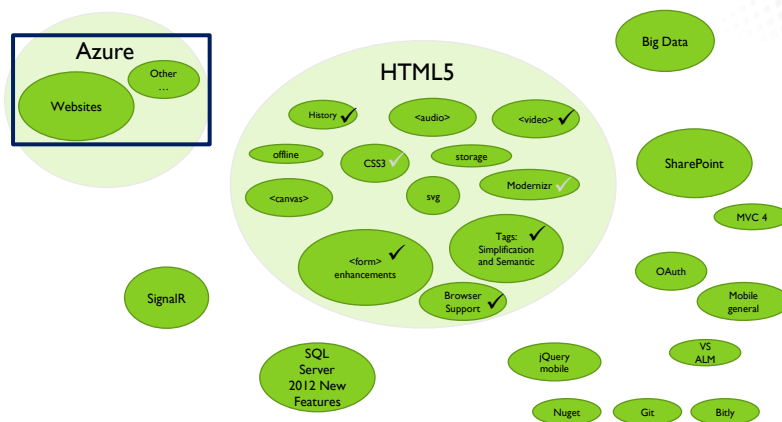- ► **Demo 3 from**
  - ► http://html5demo1.azurewebsites.net/Index.html

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HTML5 MultiMedia Enhancements

▶ **New "audio" and "video" tags**

▶ **Demo 4 from**

    ▶ http://html5demo1.azurewebsites.net/Index.html

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Windows Azure

- ▶ **What is it?**
  - ▶ From Wikipedia: "is a Microsoft cloud computing platform for building, deploying and managing applications and services through a global network of Microsoft-managed datacenters"
  - ▶ Some interesting aspects of this are:
    - ▶ Easy on demand provisioning
    - ▶ Easy scaling of resources... for example "tonight I need 10,000 nodes for an hour until batch is done"
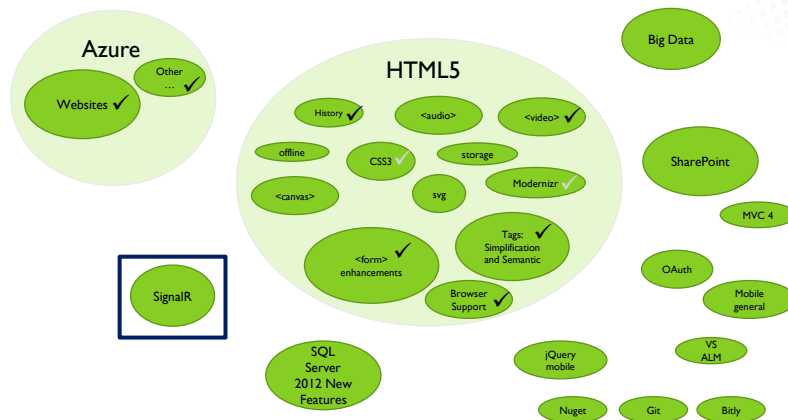- ▶ **Demo 5**
  - ▶ https://manage.windowsazure.com

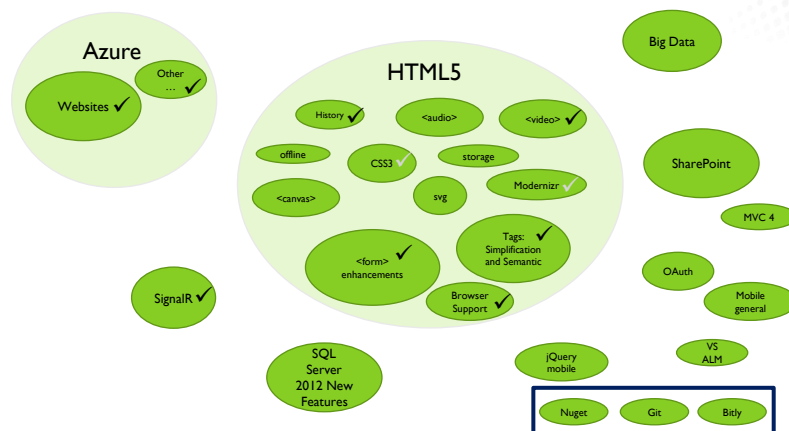18

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Trends - SignalR

- ▶ **Makes real-time HTTP so easy it seems like "magic"** [1]
- ▶ **An open source series of libraries that provide an abstraction around persistent HTTP connections**[2]
- ▶ **Demo 6**
  - ▶ HitCounter

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Other observations

- **Nuget**
  - Visual Studio add-in to import in external resources easily
- **Git**
  - Cvs -> svn -> git
- **Bit.ly**
  - Less and less people using tinyurl.com
- "**Big data**"
  - still in infancy (IMO)

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