



frontend mastersTM VIDEO WORKSHOP

Christopher Schmitt: HTML5 and CSS3

Part 1: HTML5

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What's different from XHTML to HTML5

0:00:00 - 0:00:40

Introduction, preface and brief history of XHTML, HTML5.

0:00:41 - 0:03:05

Talking about the problems around XHTML validation; why there was so much pain around this standard that never really got off the ground; both in execution and adoption rate, also talking about working with IE6 and current adoption trends of newer browsers.

0:03:06 - 0:05:00

<http://microformats.org/>

Microformats – microformats.org – what they are, and why they are important, and where to get started with them. Diving into where microformats are used, and where there are issues with them.

0:05:01 - 0:06:09

How the web has been changing, how the purpose of the web has changed and become more concentrated on multimedia.

0:06:10 - 0:07:05

Blueprints vs reality, and how this relates to the web and its changing purpose

0:07:06 - 0:08:00

Overview of this lesson/agenda items and a brief overview of the speakers credentials

Building with HTML5

0:08:01 - 0:09:40

Doctypes for HTML5 versus HTML4 and XHTML, and using the W3C Markup Validation Service

0:09:42 - 0:11:28

HTML5 Syntax changes, and why these changes occurred

0:11:29 - 0:15:45

Page Structure and divs versus new markup, and how to use an html5 shiv to get older browsers to use these new elements

0:15:46 - 0:18:03

Progressively Enhanced HTML5 and using modernizr to update older browsers, and how it works to do this

HTML5 Audio

0:18:04 - 0:25:45

A closer look at HTML5 Elements, especially audio and video html5 tags, along with looking at browser support with different file formats

HTML5 Video

0:25:46 - 0:28:00

Converting videos to work with HTML5 video tags and recommended tools.

0:28:01 - 0:29:00

Creating custom video players

0:29:01 – 0:34:30	HTML5 Video & Captions, resources and techniques
	HTML5 Geo-Location
0:29:01 – 0:34:30	Geo-Location: plugins, resources and techniques, along with examples of executions
0:40:16 – 0:41:11	Take-a-ways, review and recommended reading and follow-up

Part 2: CSS3 Workshop

CSS3 Intro

0:41:12 – 0:42:50	Intro to CSS3, what is CSS3, where is it coming from and exploring the 3d capabilities of power point presentations
0:42:51 – 0:45:07	CSS3 Color and opacity, and where it's supported...and how to get it working in IE
0:45:08 – 0:49:01	New text tricks in CSS3 with text overflow, text selection, text columns,
0:49:02 – 0:54:11	An ad-hoc discussion about using vendor prefixes, and some specific use cases

CSS3 Text

0:54:12 – 0:55:09	Wrap up discussion on text in CSS3
0:55:10 – 1:01:22	Using @font-face, browser support, file formats, execution examples and license/legal discussions around using fonts online
1:01:23 – 1:03:08	Text Shadows and how to use them, along with how to set your text on fire

Borders and Boxes

1:03:09 – 1:03:50	Borders and box shadows in CSS3
1:03:51 – 1:07:05	Border image explanation with examples and code preview. Also, how to use these techniques so that you end up needing to use fewer images
1:07:06 – 1:10:32	Border radius previews and code examples, plus a fix from CSSPlease for border radius clipping problems

CSS3 Effects

1:10:33 – 1:12:12	Image Masks preview and code example
1:12:13 – 1:13:24	Gradients covered again real quick, along with a great CSS gradient generator tool

1:13:25 – 1:14:29	Gradient masks code example
	Transform and Animate
1:14:30 – 1:18:46	Transform covering examples of rotation, animating links, cubic-bezier curves, duration and delay, and shorthand transition properties.
1:18:47 – 1:19:56	Sharing a great tool for animation, the Ceaser CSS Easing Animation Tool
1:19:57 – 1:22:33	Complex Animating Links example and code preview
1:22:34 – 1:25:28	Animating Elements walkthrough with example and code, and discussion around when to use this technique
1:25:29 – 1:25:50	Suggested reading and follow-up
	Problem Solving
1:25:51 – 1:29:33	How do we go about solving our problems? Diving into the assumptions and limitations of how we can approach problems in design.
1:29:34 – 1:36:25	Solving problems within the browser, and case study
1:36:26 – 1:37:25	Exercise: building an American Flag with CSS and HTML (it's suggested you try this exercise on your own at this point by pausing and taking 15 minutes to attempt this yourself)
1:37:26 – 1:44:45	Class examples of approaches to building the American Flag with CSS and HTML
	Christopher Schmitt's American Flag (aka a trip into the mad mind of a perfectionist)
1:44:46 – 1:49:40	Talking about the total number of HTML elements
1:49:41 – 1:50:45	Some common HTML errors
1:50:46 – 1:52:00	Box model for laying out HTML elements, and the importance of CSS resets in browsers
1:52:01 – 1:54:15	Christopher Schmitt's American Flag built in HTML
1:54:16 – 1:56:00	Normal flow versus floats, and absolute and relative positioning
1:56:00 – 1:57:25	Attribute Selectors and an execution
1:57:26 – 1:59:00	HTML5 Data Attributes and a case study
1:59:01 – 2:00:40	Gradients and CSS3 Gradient picker tools

2:00:41 – 2:02:11	Using layers and absolute positioning
2:02:12 – 2:07:25	Positioning stars on the flag, and using a font generator efficiently
2:07:26 – 2:08:23	Using jQuery to add interactivity
2:08:24 – 2:11:09	Final Touches to Christopher's flag
2:11:10 – 2:22:00	Questions, answers and discussions on Christopher's flag solution
2:22:01 – 2:26:10	Closing of presentation and additional resources
2:26:11 – 2:36:34	Final questions and group discussions