
Featured Workshop

Introduction to HTML5

Start Date: Tuesday, March 13, 2011

Course Length: 2 Days

Course Description

Target Student: This course is intended for students who have experience with HTML 4, basic CSS, and basic JavaScript.

Prerequisites: Experience in the following areas is required:

- HTML 4
- Basic CSS
- Basic JavaScript

Experience in the following areas would be beneficial:

- JSON
- DOM
- Ajax

Delivery Method: Students will start by getting their hands dirty and jumping right into HTML5 code. They will learn about the new HTML5 structural, semantic, and form tags, how to use Canvas to create drawings natively in the browser, how to work with HTML5 audio and video, the new methods for storing variables client-side, and how to build applications that work offline. Along the way, they will learn about the current state of browser support for HTML5 and the theory behind all the changes that have been made.

Course Objectives

- Upon successful completion of this course, students will be able to:
- Start building HTML5 pages.
- Understand the major benefits of HTML5.
- Understand the difference between HTML5 and HTML 4.
- Be familiar with HTML5's new elements and attributes.
- Work with audio and video in HTML5.
- Work with HTML5's new Canvas element to create code-based drawings.
- Use Web Storage for offline applications.
- Use all the cool new HTML5 form elements.
- Understand the current state of browser support for HTML5 and how to make HTML5 sites degrade gracefully.

Course Content

1. Laying out a Page with HTML5

- Page Structure
- New HTML5 Structural Tags
- Page Simplification

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2. HTML5 - How We Got Here

- The Problems HTML 4 Addresses
- The Problems XHTML Addresses
- The New More Flexible Approach of HTML5
- New Features of HTML5
- The HTML5 Spec(s)
- Current State of Browser Support

3. Sections and Articles

- The section Tag
- The article Tag
- Outlining
- Accessibility

4. HTML5 Audio and Video

- Supported Media Types
- The audio Element
- The video Element
- Accessibility
- Scripting Media Elements
- Dealing with Non-Supporting Browsers

5. HTML5 Forms

- Modernizr
- New Input Types
- HTML5 New Form Attributes
- Some Other New Form Field Attributes
- New Form Elements

6. Overview of HTML5 Web Storage

- Overview of HTML5 Web Storage
- Web Storage
- Other Storage Methods

7. HTML5 Canvas

- Getting Started with Canvas
- Drawing Lines
- Color and Transparency
- Rectangles
- Circles and Arcs
- Quadratic and Bezier Curves
- Images
- Text

8. Integrated APIs

- Offline Application API
- Drag and Drop API

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To Register

Call Deb Perreault at Apptius Computer Solutions Inc. Phone: 989-0202 ext. 111 or email: deb.perreault@apptius.com

Course Fee

\$ 695.00 plus 5% GST.

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