

Intro to HTML 5

Course Summary

Description

One of the primary goals of HTML5 is to provide a better foundation for Web and that is interoperable across browsers. Understanding the capabilities, how it fits with JavaScript, jQuery and CSS3 and how it can give mobile application developers more latitude is what this hands-on workshop provides the foundation for.

Topics

- Introduction to HTML5, How and why we got here!
- Key features, key design principles
- Browser support(Chrome, Firefox,Safari, Opera, IE)
The integration with JavaScript and CSS3
- Maintaining compatibility, Modernizr, Shivs and Polyfills
- Authoring HTML5, HTML5 page structure
- Article, Section, Nav, Aside, Header, Hgroup, Footer
- Outlining Algorithm, Bookmarklets
- HTML5 Audio and Video, WebVTT
- HTML5 Forms API, Input Types, Form Elements, Attributes, Microdata and HTML5
- HTML5 and CSS3
- CSS3 Selectors, CSS3 Styling Additions, Box and text shadows, Gradients, Transforms , Transitions, Animations and CSS3 Media Queries,
- HTML5 Canvas API, SVG, Transforms
- Drag and Drop
- HTML5 Geolocation API, Privacy Issues
- HTML5 Web Workers, Uses and Implementing Web Workers
Using the Web Storage API
- HTML5 Offline Web Applications, Application Cache API
- Client Database Storage
- HTML5 Communications API
- The WebSocket API
- Cross Document Messaging, AJAX applications and XMLHttpRequest Level 2
- SSE architecture
- HTML5 origin-based security model
- Implications in Architecting HTML5 Apps
- Client-side considerations, Server-side considerations
- HTML5 and Mobile Apps, Design for Mobile, HTML5 for Android and iOS

Audience

This course is designed for eb and Mobile Application developers.

Prerequisites

Students should have basic knowledge of HTML, CSS and JavaScript.

Duration

Five days

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