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What is HTML5 & CSS3 Training?

Our 1-day HTML5 & CSS3 training course will teach you the latest features in web development and give you the tools to start building better content for the web.





The web is evolving. Web pages have become applications. Web content is now read on a wide variety of devices. HTML5, CSS3 and JavaScript provide front-end developers with the tools to create content for any platform.

Why are HTML5 & CSS3 Important?

HTML5 & CSS3 are the latest versions of the web's standard markup language, and includes a range of new features, tags and functionality. These allow for more flexibility when designing for desktops, and - perhaps more importantly - provides a new standard for the development of web content and web apps for mobile.

CSS3 allows developers to design more flexible and dynamic stylesheets, which can respond to a user's device, screen size and orientation, and also the user's behaviour. It can be used to add effects to page elements, and even to skew, re-size, rotate and transform page elements without the use of animation software like Flash.

We also provide private and in-company **HTML5 & CSS3 courses.** Call +44 (0)1273 622272 to discuss.

Prerequisites

Before attending our HTML5 & CSS3 training course you should first come on our 2-day HTML & CSS course or have similar hands-on experience using HTML & CSS to write and format web pages from scratch, including building floated layouts and familarity with CSS1 and CSS2 selectors.

Course Objectives

After our HTML5 & CSS3 training course, you will have:

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- Practical knowledge of how to use the audio, video and canvas elements.
- Knowledge of the new JavaScript APIs.
- The ability to provide JavaScript alternatives for unsupported features.
- An understanding of the CSS3 specification
- Knowledge of current browser support for CSS3 in Chrome, Firefox, Safari and IE9+
- Practical knowledge of how to implement new CSS3 features
- Providing support for older browsers including IE6 - 8 (polyfills)

HTML5 Features

- Why use HTML5
- New semantic tags
- Custom data attributes
- Controlling HTML5 video with JavaScript and CSS
- Dynamic drawing with canvas and SVG
- Form validation
- Geolocation
- Saving state with local storage
- Offline APPCache

Implementing HTML5

- What can you use now?
- Checking for browser support
- Using Modernizr.js
- Polyfills to plug the gaps in older browsers
- Useful resources

CSS3 Features

- Colour and transparency
- New selectors and pseudo-classes
- Layout: FlexBox, multiple columns, box-sizing, grids
- Fonts: web and icon fonts
- Animation and transitions
- Responsive web design using media queries
- Responsive techniques: sprites, font sizes, fluid and fixed grids
- Box shadows, text shadows, backgrounds, and border-radius

Implementing CSS3

- Working with vendor prefixes

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- Browser support
- Polyfills, Modernizr.js
- Working with older versions of IE

HTML5 & CSS3 are the future of web development. Our two day instructor-led HTML5 & CSS3 training course provides an overview of the HTML5 and CSS3 standards, with practical examples to help you understand and implement new features.