
Beginning Responsive Web Development with HTML and CSS

Duration: 3 Days Course Code: LO035403 Delivery Method: Company Event

Overview:

The changing way in which we access the web means that there has never been a greater range of screen sizes and associated user experiences. With these trends driving changes in design, typical desktop-only websites fail to meet even minimum expectations when it comes to style and usability, which can be vital when your website is central to yours or your client's brand.

A responsive web design provides a single solution that looks great on a phone, desktop, and everything in-between, providing the best experience possible for both today's and tomorrow's devices. This course covers every essential aspect of RWD and broader front-end development best practices.

With this course, we have created the definitive guide for all things responsive. We cover the entire gamut of HTML5 and CSS3's new features that help to effortlessly create modern, responsive web designs.

Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

Target Audience:

This course is for web developers who are looking to build modern responsive websites using HTML5 and CSS3.

Objectives:

- We'll focus heavily on applying the latest techniques provided by HTML5 and CSS3, all in the context of real-world examples. Along the way, you'll discover tips and tricks that make your future designs and development workflow leaner and more maintainable than ever before.
 - By the time you reach the end, you'll be equipped with the latest cutting edge front-end development skills, ready to develop your very own modern, responsive websites that are pixel-perfect across a wide range of devices.
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Prerequisites:

You should have a basic knowledge of HTML and CSS, and should know how to work with browser developer tools.

Content:

Lesson 1: The Essentials of Responsive Web Design

- Defining Responsive Web Design
- Our First Responsive Example

Lesson 2: Media Queries – Supporting Differing Viewports

- Media Query Syntax
- Combining Media Queries
- Using Media Queries to Alter a Design
- Media Queries Best Practices
- The Viewport Meta Tag
- Media Queries Level 4

Lesson 3: Fluid Layouts and Responsive Images

- Converting a Fixed Pixel Design to a Fluid Proportional Layout
- Flexbox
- Responsive Images

Lesson 4: HTML5 for Responsive Web Designs

- HTML5 Markup
- Semantic HTML5
- HTML5 Media Elements

Lesson 5: CSS3 – Selectors, Typography, and Color Modes

- Introduction to CSS
- Facilitating Feature Forks in CSS
- New CSS3 Selectors and Their Use
- CSS3 Structural Pseudo-classes
- More About CSS
- New CSS3 Color Formats and Alpha Transparency

Lesson 6: Stunning Aesthetics with CSS3

- Shadows with CSS3
- Gradients
- Background Images
- CSS Filters

Lesson 7: Transitions, Transformations, and Animations

- CSS3 Transitions
- CSS3 2D Transforms
- CSS3 3D Transformations
- Animating with CSS3

Lesson 8: Conquer Forms with HTML5 and CSS3

- HTML5 Forms
- The HTML5 Input Element
- Styling HTML5 Forms with CSS3

Lesson 9: Using SVGs for Resolution Independence

- Introducing SVGs
- Inserting SVGs
- Extra SVG Capabilities and Oddities

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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