Web Development with HTML5, CSS, and JavaScript

Category: Software Development & Programming | **Vendor:** Various

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Modern organizations depend heavily on the web to perform core business operations such as marketing, advertising, and selling products, providing services, and communicating with customers, partner organizations, and employees. Whatever you're creating on the web, HTML, CSS, and JavaScript™ likely play an important role. These three languages provide the core toolkit for anyone looking to perform web development work. This course covers the fundamentals of web development using these three languages.

About This Course

Modern organizations depend heavily on the web to perform core business operations such as marketing, advertising, and selling products, providing services, and communicating with customers, partner organizations, and employees. Whatever you're creating on the web, HTML, CSS, and JavaScript™ likely play an important role. These three languages provide the core toolkit for anyone looking to perform web development work. This course covers the fundamentals of web development using these three languages.

Who Should Attend

While no prior programming or web development experience is required, target students should have good foundational computer skills.

Prerequisites & Entry Requirements

General Prerequisites:

This course assumes that students have strong experience working with computers. Previous experience programming in other languages is helpful, but not required for students to benefit from this course.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Set up the tools and resources you need to perform Web Development. Create web pages in HTML, constructing valid, well-formed elements, including navigation links, sections, titles, and semantic markup. Enhance HTML content with tables, images, movies, and audio. Apply styles to HTML elements using CSS. Use CSS to format the edges, size, position, and layering of HTML elements. Apply complex style rules using advanced CSS selectors, including pseudo-class selectors, structural selectors, and pseudo-element selectors. Create complex layouts using CSS newspaper style columns, grid layouts, and flexible box layouts. Improve the quality of web content, including adaptability (different displays and devices), searchability, usability, and accessibility. Submit data through URL query strings and web forms for processing by a web application server. Write JavaScript code to make web pages more interactive, perform data processing tasks directly in the browser, and manipulate items in the current web page. Write JavaScript code to iterate through collections of elements in a page to get and set their attributes and add event listener code. Use third-party libraries and frameworks for web front-end development.

Detailed Course Outline

Lesson 1: Setting Up Your Web Development Environment

- Topic A: Prepare Your Web Platform
- Topic B: Prepare Your Web Development Tools and Processes
- Topic C: Monitor the Web Request-Response Cycle

Lesson 2: Creating Web Content in HTML

- Topic A: Create a Basic Web Page
- Topic B: Provide Navigation Links Between Web Pages
- Topic C: Improve Web Page Structure and Navigation

Lesson 3: Adding Tables and Multimedia Content to a Web Page

- Topic A: Create a Table
- Topic B: Embed Images, Movies, and Audio in a Web Page

Lesson 4: Applying Styles to Web Content

- Topic A: Apply Styles to HTML
- Topic B: Create a Style Sheet
- Topic C: Use Web Fonts

Lesson 5: Controlling Edges, Size, and Position

- Topic A: Format Element Edges and Corners
- Topic B: Control an Element's Height and Width
- Topic C: Control an Element's Position and Layering
- Topic D: Normalize and Reset Browser CSS Defaults

Lesson 6: Applying Complex Style Rules

- Topic A: Use Advanced Selectors
- Topic B: Manage User Interface States
- Topic C: Make Structure Apparent to Users
- Topic D: Use CSS Pseudo-Element Selectors

Lesson 7: Creating Complex Layouts

- Topic A: Use CSS to Create Newspaper Style Columns
- Topic B: Use CSS to Create Grid Layouts
- Topic C: Use CSS to Create Flexible Box Layouts

Lesson 8: Improving Web Content

- Topic A: Adjust the Layout for a Wide Variety of Devices
- Topic B: Perform Basic Search Engine Optimization
- Topic C: Test Your Website

Lesson 9: Submitting Data to a Web Server for Processing

- Topic A: Submit Data Through a URL
- Topic B: Submit Data Through a Web Form

Lesson 10: Writing JavaScript Code

- Topic A: Add JavaScript to a Web Page
- Topic B: Perform Operations on Data
- Topic C: Program Repetitive Tasks
- Topic D: Manipulate DOM Objects

Lesson 11: Enumerating and Processing Collections of Elements

- Topic A: Enumerate Elements
- Topic B: Attach Events Through Code

Lesson 12: Using Third-Party Libraries and Frameworks

- Topic A: Use a Third-Party JavaScript Library
- Topic B: Create a Web Page Based on a Third-Party Framework

Frequently Asked Questions

Q: What delivery options are available for Web Development with HTML5, CSS, and JavaScript?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day Web Development with HTML5, CSS, and JavaScript course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Web Development with HTML5, CSS, and JavaScript training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Web Development with HTML5, CSS, and JavaScript?

Yes, we provide corporate training, dedicated training, and closed classes for Web Development with HTML5, CSS, and JavaScript. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Web Development with HTML5, CSS, and JavaScript?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Web Development with HTML5, CSS, and JavaScript training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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