Introduction to HTML5. CSS3 and JavaScript (TT4003)

Category: Software Development & Programming | **Vendor:** Trivera Tech

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Introduction to HTML5, CSS3 & JavaScript is geared for developers who need to understand the latest web technologies and responsive design practices central to targeting the entire spectrum of user platforms and browsers. This jumpstart style course provides a balanced mixture of theory and practical labs designed to take students through HTML5, CSS3 and JavaScript. Students who attend this course will leave this course armed with the new skills to begin to design, implement, and deploy robust, flexible, and safe web applications

About This Course

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Who Should Attend

This is an introductory level course, designed for web developers that need to upgrade core skills leveraging modern scripting and web development languages and standards. This course provides an excellent foundation for continued learning to gain in-demand skills in in-demand skills and technologies such as Angular, React, NodeJS, JQuery and more. This course can also be tuned for non-developers. Please inquire for details.

Prerequisites & Entry Requirements

General Prerequisites:

Basic Computer Literacy and Text Editing: Comfort with using computers, basic software applications, and text editors for
coding.
- Fundamentals of Web Development: General awareness of web development concepts and processes, including how
web pages are structured and served. Basic understanding of HTML including elements, tags, and basic page structure and
Introductory knowledge of CSS including styling text and layout basics would be helpful.

Learning Outcomes

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

This ‘skills-focused’ course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Our instructors are highly experienced practitioners who bring years of current 'on-the-job' experience into every classroom. Working within in a hands-on learning environment guided by our expert team, attendees will explore:

HTML5:

How to effectively meet requirements using the full range of HTML5 semantic and structural elements

To work with technologies such as web storage, application caching, and cross-domain messaging to improve performance and the user experience

CSS:

What features CSS3 supports and how they can be effectively used with HTML5 and other technologies

To adapt to varying degrees of browser support for HTML5 and CSS3

JavaScript:

What JavaScript is, how it relates to other programming languages, and how to script your web pages with it

To traverse and manipulate the DOM and handle events in ways that work in all browsers

To work with closures and prototypes and other exotic features of JavaScript

Debugging

What is needed to effectively debug these web technologies

How to use both browser-based and proxy-based debuggers and tools

Detailed Course Outline

HTML Refresher

- HTML Review
- Introduction to HTML5

Introduction to CSS

- CSS Basics
- CSS3 Overview
- CSS3 Advanced Selectors
- CSS3 Visual Effects

Introduction to JavaScript

- JavaScript Basics
- Debugging Tools
- JavaScript Functions
- JavaScript Arrays, Math and Date
- JavaScript Event Handling and the DOM
- Object-Oriented JavaScript

, HTML Quick Refresh

Define HTML and review its history

Look at XHTML and its relationship to HTML

Identify HTML limitations and improvements

Hands-On Lab

Getting Started with HTML5

HTML5: Status and Support

Semantic Structure and Tags

Handling Complex Media Options

Working with HTML5 Forms

Working with Legacy Browsers

Forms, Input Types, and Data Qualification

Hands-On Lab

CSS Basics

Learn the basics of CSS

Meaning of cascading in CSS

Declaring CSS within your HTML page

Creating styles in an external CSS file

Control how to display and position HTML elements

Overriding standard tag behavior

Adding new classes

Using custom classes in your page

Hands-On Lab

Exploring CSS3

What is new in CSS3

The Advantages of CSS3

Layout of elements using the display property

CSS Flexbox

Hands-On Lab

CSS3 Advanced Selectors

Selecting Using Attributes

Selecting Using DOM Structure

Complex Selecting using Pseudo-Classes

Selecting Using UI Components and State

Hands-On Lab

CSS3 Visual Effects

Font Options, Opacity, and Color

Distributing Content Across Columns

Working with Borders and Boxes

Working with Vendor Prefixes

Functional Techniques

Hands-On Lab

JavaScript Basics

JavaScript Defined

Variables and Operators

Flow Control and Conditionals

Hands-On Lab

Debugging Tools

Using the strict mode and setting breakpoints

Browser debugging tools

Monitoring resource usage and performance

Emulating devices Exceptions in JavaScript

Exceptions in JavaScript

Hands-On Lab

JavaScript Functions

Functions in JavaScript

Invoking Functions

Function Constructor

Function Scope and Closures

JavaScript Arrays, Math and Date

JavaScript Literals

JavaScript Arrays

Working with Numbers and Dates

Hands-On Lab

JavaScript Event Handling and the DOM

Events and Event Handling

HTML Document Object Model

Accessing the DOM

Dynamically Working with the DOM

DOM Challenges

Hands-On Lab

Object-Oriented JavaScript

JavaScript Å“Objects and Å“Classes

Constructors and Prototypes

Prototypes

Extending Classes with Prototype

Reusable, Flexible Classes

Hands-On Lab

Additional Course Details

Nexus Humans Introduction to HTML5. CSS3 and JavaScript (TT4003) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Introduction to HTML5. CSS3 and JavaScript (TT4003) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Introduction to HTML5. CSS3 and JavaScript (TT4003)?

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 3-day Introduction to HTML5. CSS3 and JavaScript (TT4003) course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to HTML5. CSS3 and JavaScript (TT4003) training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to HTML5. CSS3 and JavaScript (TT4003)?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to HTML5. CSS3 and JavaScript (TT4003). 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: What related terms do people search for?

Popular related searches include: HTML5/CSS3; JavaScript

Q: Why choose Nexus Human for Introduction to HTML5. CSS3 and JavaScript (TT4003)?

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 Introduction to HTML5. CSS3 and JavaScript (TT4003) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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