

Updated 08/07/2024

Sign up

HTML and CSS training for beginners

4 days (28 hours)

Presentation

For several years now, the web has been part of everyday consumer habits. A high-performance, aesthetically pleasing site is now essential to promote your company.

Our HTML and CSS training for non-developers will give you an understanding of how web pages work. You'll learn how to create and style [static web pages](#).

In fact, our program will plunge you into the world of browsers, following an introduction to the new features, we'll teach you how to create the skeleton of your first HTML page.

You will then learn in depth how to design your HTML page using style sheets (CSS). We offer a complete overview of CSS to create applications adapted to all devices (viewport, transformation, media...).

Last but not least, our training will teach you the latest versions of these languages, namely : [HTML5](#) and [CSS3](#).

Objectives

- Creating HTML5 pages and using the new tags
- Setting up an HTML5 structure
- Create browser-compatible pages
- Managing mobility and mastering responsive web design
- Make sure you produce a page from a design
- Mastering style tools (CSS)

Target audience

- Developers
- Architects
- Web Designers
- Project managers
- People involved in a web project

Prerequisites

Basic web skills.

Software requirements

An IDE like notepad++ or Visual Studio Code.

Our HTML and CSS training program for beginners

Introduction

- HTML and CSS developments over the past 20 years
- The standardization process: W3C and WHATWG
- The benefits of HTML5, CSS3 and JavaScript

The fundamentals

- HTML syntax
- The new Doctype
- Character encoding
- Browser support

HTML5: Structuring a document

- All the tags you need to know
- Tag properties common to all tags
- Specific tag properties for the most common tags
- New tags: header, footer, structure, aside, nav, hgroup, etc.
- Obsolete tags: center, font, frame, acronym, etc.
- Structuring a page with the new tags
- TD: My first HTML page

CSS3: Introduction & Selector

- Prefixes

- Cascade and compatibility
- Reminder on selectors
- The new CSS3 selectors
- New CSS3 pseudo-classes (last-child, nth-child, nth-of-type, not...)

The forms

- New form fields and their structure
- Create a contact form from a template
- Field validation rules
- Accessibility of dynamic elements (ARIA)

Multimedia

- The video tag
- Image tags (format svg png,jpeg...)
- The audio tag
- Object, embed and svg tags
- Managing different video formats with the script tag: container (MP4, OGG, WEBM) and codec (.h264, Vorbis, Theora, VP8...)

Mobility with HTML5

- Permanent storage and session storage
- Maps (OpenStreetMap and Leaflet)
- Using localization in HTML 5
- Maps integration
- Using multitouch

Formatting

- calc() function and box-sizing property
- Tabular and multi-column formatting
- The flexible box model
- CSS layout templates
- CSS grid layout
- Formatting a showcase site template

Cladding

- Colors and fonts
- Rounded corners, Drop shadows, Color gradation
- Borders in pictures
- Multiple funds
- 2D and 3D transformations
- Content generation

- Tooltips

Responsive Web Design

- Responsive Web Design best practices
- The viewport
- Creating an adaptive page: media tags
- Adaptability of pages and web applications
- Frameworks and libraries: tailwindcss, iUi, Less, FitVids, Moderniz, MaterialUI
- Adaptability of content and container

Animation

- Transitions
- Entertainment
- Animated navigation menu

Bonus

- Introducing Bootstrap, the framework from Twitter

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level on different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.