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Sign up

Tailwind CSS training

3 days (21 hours)

Presentation

Our Tailwind CSS training course will enable you to master modern web styling techniques using a practical, fast and flexible approach. You'll learn how to responsive, elegant and personalized interfaces on your own.

Our training program covers all the essential basics, right through to advanced functionalities, so you'll be able to design professional, production-ready interfaces.

At the end of this course, you'll know how to structure a responsive interface, create reusable components, customize the Tailwind theme and optimize your CSS for modern environments.

As with all our training courses, this one uses the latest version of [TailwindCSS 4.1](#).

Objectives

- Understand the fundamental concepts of Tailwind CSS and its utility-first philosophy.
- Master the use of utility classes to manage page layout, typography, colors, spacing and visual effects.
- Create responsive interfaces using Tailwind's breakpoint system.
- Decompose and rebuild real interface components.
- Use Tailwind effectively in modern environments, in particular with React, Next.js, or VueJS.
- Structuring and documenting a mini design system.

Target audience

- Front-end developers
- Fullstack developers
- Webdesigner

Prerequisites

- A solid grounding in HTML and CSS
- Notions of responsive design
- Knowledge of JavaScript

Tailwind CSS training program

Introduction to Tailwind

- Tailwind, its advantages and how they compare with other frameworks
- Understanding "Utility-First" logic
- Introduction to the design system in Tailwind
- Presentation of official documentation

Setting up the environment

- Installation via CDN, NPM, or with Vite/Next.js
- Basic configuration `tailwind.config.js`
- Structure of a CSS file
 - `@tailwind` base
 - components
 - utilities
- How the JIT system works
- Using the VS Code plugin for Tailwind autocompletion

Utility classes

- Spacing
 - padding
 - margin
 - space-x
- Colors, backgrounds, typography
- Borders, shadows, radius
- Use of containers, max-w and aspect-ratio
- Creating a layout with grid-cols, gap and auto-fit

Responsiveness and dark themes

- Breakpoint system
 - sm
 - md
 - lg
- Conditional classes
- Dark mode management
- Use system preferences to activate dark mode automatically
- switch light/dark theme in JavaScript

Reusable components & Design System

- Creating components with `@apply`
- Managing conditional classes
- Good structuring practices
- Using UI libraries: shadcn/ui, Headless UI
- Organizing a mini design system with Tailwind

Advanced configuration

- Theme customization, colors, fonts, breakpoints
- Add your own utilities
- CSS purging & optimization in production
- Defining custom animations with keyframes in `tailwind.config.js`
- Working with safelists to keep certain classes dynamic

Integration with frameworks

- Tailwind with React, Next.js or Vue
- Dynamic component composition
- Using Tailwind with CMS
- Setting up a global layout system

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 of proficiency in different types of technology, as well as his or her expectations and personal objectives for 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, 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.