

## bulma training

2 days (14 hours)

### Overview

Bulma is a modern CSS framework based on Flexbox and CSS Variables, designed to create responsive interfaces without imposing JavaScript.

Our Bulma training course will teach you to master mobile-first page layout, the use of components (grid, forms, maps, navigation, modals), customization via Dart Sass and themes, as well as build industrialization (purging, critical CSS).

You'll see how to integrate Bulma into React, Vue or Angular projects, build a reusable design system and optimize performance and accessibility.

At the end of the course, you'll be able to deliver robust, accessible and scalable interfaces, taking full advantage of [Bulma](#)'s new features.

### Objectives

- Install and configure Bulma (CDN / npm) and structure a project
- master grids, helpers and key components
- Customize via Dart Sass and CSS Variables (themes)
- Integrate with React, Vue or Angular
- Optimize performance and accessibility for production

### Target audience

- Front-end developers
- Full-stack developers

### Prerequisites

- Basic knowledge of HTML and CSS
- Basic knowledge of JavaScript and front-end tools (npm, bundler)

## Bulma training program

### [Day 1 - Morning]

#### Bulma basics and getting started

- Positioning Bulma (CSS-only framework)
- Installation: CDN, npm/yarn, project structure
- Responsive grid and layout (mobile-first)
- Colors, typography, spacing helpers
- Quick customization via CSS Variables
- practical workshop: responsive home page (hero/sections/footer)

### [Day 1 - Afternoon]

#### Essential interface components

- Buttons, tags, breadcrumb, cards, images
- Forms: fields, states, validation
- Navbar & navigation (burger, menus, dropdowns)
- Lists, tables, media objects
- Best practices in accessibility and semantics
- practical workshop: complete form + responsive navbar

#### Layout patterns and interactive components

- Sections, containers, tiles, level, hero
- Modals, tabs, accordions (lightweight JS patterns)
- Display helpers, Flexbox alignments
- BEM-like naming conventions
- Lighthouse optimization
- practical workshop: product page with modal and tabs

### [Day 2 - Morning]

## Advanced customization & theming

- Dart Sass, SCSS structure, variable overloading
- CSS Variables and themes (light/dark), class prefixes
- Adjusting spacing, radius, shadows, fonts
- Design system approach and tokens
- Modular import, purging and bundle reduction
- practical workshop: theme creation and dark/light switching

## [Day 2 - Afternoon]

## Integration with JS frameworks & front-end architecture

- Integrating Bulma with React / Vue / Angular
- Scalable organization: reusable UI components
- Visual testing and Storybook
- Enhancing accessibility (focus trap, ARIA)
- Micro-interactions and client-side state
- practical workshop: Bulma mini Design System + Storybook

## Industrialization & best production practices

- Linting, conventions, CI/CD integration
- Performance budgets, CSS purging, CSS criticality
- Browser compatibility & responsive testing
- Documentation and starter kits
- Migration v1: points of attention
- practical workshop: optimized build and production release

## Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new, advanced IT 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 forthcoming training course, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or internal security difficulties

(intra-company or virtual classroom) that could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical training: 60% hands-on, 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.

## Certification

A certificate will be awarded to each trainee who has completed the entire course.