

Semantic HTML

Accessible

AI-POWERED COURSE

HTML and Frontend Web Development

From a blank file to a live website, guided by an AI tutor.

40 modules

HTML, CSS, JavaScript

Git and hosting

Accessibility

```
index.html
1 <header>
2   <nav>
3     <a href="/">Home</a>
4   </nav>
5 </header>
6 <main>
7   <h1>My Fotoblog</h1>
8   
10 </main>
```

Go live

About this course

Go from a blank file to a live website that you planned, designed, built, tested and published yourself. This course teaches HTML, CSS and JavaScript step by step, then covers accessibility, SEO, performance, Git, hosting, and a first look at APIs and databases. An AI tutor guides you with hints and reviews while you write the code yourself, so you understand every line you ship.

What you will be able to do

- **Understand how websites work:** browsers, requests, servers, and the files behind every page.
- **Write clean HTML:** semantic structure, links, images, media, and forms.
- **Style with CSS:** typography, colour, spacing, the box model, and a consistent design system.
- **Lay out any page:** Flexbox, Grid, and responsive design for every screen size.
- **Build real interfaces:** reusable components, navigation, mobile menus, and galleries.
- **Add interactivity:** JavaScript, the DOM, and client-side form validation.
- **Check your quality:** accessibility, SEO, DevTools debugging, and performance.
- **Ship your work:** Git, GitHub, domains, hosting, and publishing a static website.
- **Look beyond the frontend:** APIs, JSON, databases, and the path to full-stack.
- **Work with AI professionally,** while understanding and owning your code.

Your final project

You will bring everything together in a complete website that is planned, built, tested and published. It will be responsive, accessible, well structured and version-controlled, and it will be yours to show to clients, employers or friends.

At a glance

MODULES

40

FORMAT

eLearning

LANGUAGES

HTML, CSS, JavaScript

PREREQUISITE

None required

PRACTICE

Fotoblog project

SUPPORT

AI tutor

FINAL PROJECT

A published website

Course roadmap

40 modules in ten stages. Each stage builds on the one before it.

1

Foundations

Modules 1–5

AI-assisted development, VS Code setup, how websites work, exploring Fotoblog, and planning.

2

HTML

Modules 6–9

Fundamentals, semantic HTML, links, images and media, and forms.

3

CSS and design

Modules 10–13

CSS fundamentals, typography, colour and spacing systems, and the box model.

4

Layout and responsiveness

Modules 14–17

Flexbox, CSS Grid, responsive design, and transforming the reference concept into your own.

5

Building the interface

Modules 18–20

Reusable components, navigation and mobile interfaces, and galleries and content layout.

6

Quality and craft

Modules 21–25

Accessibility, SEO and metadata, developer tools, fixing UI and CSS bugs, and performance.

7

JavaScript

Modules 26–29

Fundamentals, the DOM, interactive interfaces, and client-side form validation.

8

Workflow and publishing

Modules 30–33

Git, GitHub, domains, hosting and HTTP, and publishing a static website.

9

Beyond the frontend

Modules 34–37

APIs and JSON, frontend vs. backend, databases, and from static website to full-stack.

10

Professional practice

Modules 38–40

AI as a development partner, testing, QA and refinement, and your final project.

Who this course is for

- Complete beginners who want a structured path into web development.
- Self-taught learners who have picked up scattered snippets and want solid foundations.
- Anyone who wants to use AI coding tools effectively, without depending on them blindly.

What you will need

- No prior coding experience is needed.
- A computer with a modern browser (Chrome, Edge or Firefox), and VS Code, which you install in Module 2.
- A free GitHub account, needed from Module 31.