

# Website Development Roadmap (HTML, CSS, JS)

## 1. Learn the Basics

- 1 Understand how websites work (client-server model, domains, hosting).
- 2 Learn HTML5 structure and semantic elements.
- 3 Learn CSS3 basics: selectors, colors, fonts, and the box model.
- 4 Start with basic JavaScript: variables, data types, functions, and DOM manipulation.

## 2. Build Projects and Practice

- 1 Create static websites using HTML and CSS.
- 2 Add interactivity using JavaScript (e.g., forms, buttons, and animations).
- 3 Learn CSS Flexbox and Grid for responsive design.
- 4 Use media queries to make your site mobile-friendly.

## 3. Advance Your Skills

- 1 Learn modern JavaScript (ES6+): arrow functions, promises, async/await.
- 2 Understand the DOM and event handling deeply.
- 3 Explore CSS preprocessors (Sass, LESS).
- 4 Learn to optimize website performance.

## 4. Learn Frameworks and Tools

- 1 Get comfortable with Git and GitHub.
- 2 Use VS Code or another professional IDE.
- 3 Learn front-end frameworks like React, Vue, or Angular.
- 4 Understand build tools (Webpack, Vite, npm).

## 5. Deployment and Maintenance

- 1 Learn how to host your website (Netlify, GitHub Pages, or Vercel).
- 2 Understand SEO and accessibility best practices.
- 3 Implement analytics and monitor performance.
- 4 Keep learning — follow trends in web development.

## 6. Project Suggestions (Progressive Learning)

- 1 Level 1: Personal Portfolio Website
- 2 Level 2: Responsive Business Landing Page
- 3 Level 3: Interactive To-Do List App (JavaScript)
- 4 Level 4: API-based Weather App
- 5 Level 5: Small eCommerce Front-End