

# Zero to Code: The Web Development Roadmap

A practical step-by-step plan to establish a solid foundation in web development, from setup to deployment.

## Before you start

1. The user clarifies their motivation for learning to code to maintain discipline during difficult topics.
2. They select a quiet workspace and ensure a reliable internet connection is available.
3. The learner downloads and installs Visual Studio Code (VS Code) as their primary text editor.
4. They install a web browser with developer tools, such as Google Chrome or Mozilla Firefox.
5. The user installs Node.js (LTS version) to enable modern JavaScript features.
6. They create a dedicated folder structure on their computer to organize future projects.

## While you're working on it

1. The learner begins with HTML to understand the structural hierarchy of web pages.
2. They practice nesting tags correctly and checking for unclosed elements.
3. The user introduces CSS to apply colors, fonts, and layout styles to the HTML structure.
4. They combine HTML and CSS to build a static "About Me" page or a simple landing page.
5. The learner studies JavaScript fundamentals, focusing on variables, functions, and loops.
6. They experiment with DOM manipulation to change page elements dynamically without refreshing.
7. The user validates their code using browser developer tools to identify and fix errors.
8. They sketch a wireframe on paper before starting the final capstone project.

## Ongoing check-ins

1. The developer pushes code to a version control system like GitHub regularly to track progress.
2. They join an online community like Stack Overflow or Reddit to ask questions and read discussions.
3. The learner dedicates at least 30 minutes daily to coding rather than relying on sporadic marathon sessions.
4. They review and update their portfolio project with new skills as they are mastered.
5. The developer explores advanced topics or frameworks only after feeling confident with the basics.