

# Web Development

## 1. Design Principles & User Experience

Design principles: balance, color, hierarchy, white space  
Layout types: grids, columns, fluid vs. fixed  
User experience (UX): usability, navigation patterns

## 2. Building Blocks of the Web

Website anatomy: HTML, CSS, JavaScript, web servers  
HTML basics: tags, elements, attributes, document structure  
First steps with code: writing basic tags, creating simple pages

## 3. Color & Typography Magic

Mastering color theory: palettes, harmonies, contrast, accessibility  
Choosing effective fonts: pairing, hierarchy, legibility, web fonts  
Visual storytelling with imagery: photos,

## 4. Styling with Confidence

CSS selector magic: targeting elements by class, ID, attribute  
Styling properties: fonts, colors, borders, backgrounds, positioning  
Interactive learning: Playground challenges to reinforce code understanding  
Experiment with basic layouts and visual styles

## 5. Advanced HTML & CSS

Formidable forms: creating and styling forms for user input  
Tables and navigation: organizing data and building menus  
Site-wide styles: master classes, IDs, and inheritance

## 6. Web Graphics & Images

Image formats and optimization: choose the right format for size and quality  
Integrating visuals: adding and styling images, animations, and SVGs  
Basic image editing: tools and techniques for web-ready images

## 7. Responsive Design for All

Mobile-first approach: adapt layouts for different screen sizes  
Media queries: targeting specific devices and adjusting styles  
Building flexible websites: one codebase for all devices

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## 8. Accessible Web Design

Creating inclusive websites: considerations for diverse users  
Forms and navigation accessibility: clear labels, keyboard navigation, screen reader support  
Color contrast and alternatives: ensuring everyone can see and understand your content

## 9. Introduction to JavaScript

Adding interactivity: JavaScript's role in web development  
Basic functionalities: validating forms, creating simple animations  
Understanding the JavaScript ecosystem: libraries, frameworks, and future learning

## 10. UI Design & UX Best Practices

Interface design fundamentals: buttons, menus, calls to action, information hierarchy  
User experience (UX) best practices: user research, prototyping, testing, iteration  
Web performance optimization: faster loading times for better user experience

## 11. Design Trends & Inspiration in Action

Explore popular trends: micro-animations, minimalism, dark mode, voice interfaces  
Analyze award-winning websites: identify how they incorporate trends effectively  
Apply trends to your work: experiment with trending elements in your own projects

## 12. Building Real Projects & Portfolio Power

Project planning workshop: Define goals, target audience, and technical requirements  
Design and development sprints: Break down your project into manageable phases and iterate with feedback  
Portfolio optimization: Learn strategies for showcasing your best work and attracting clients  
Freelance fundamentals: Setting rates, finding clients, managing contracts, and delivering client satisfaction