

## Week 1: Introduction to HTML

### Session 1: Introduction to Web Development

- Overview of the web development landscape
- Basics of HTML, CSS, and JavaScript
- Setting up a development environment

### Session 2: HTML Document Structure

- Understanding the basic structure of an HTML document
- HTML elements, tags, and attributes
- Headings, paragraphs, and basic text formatting

### Session 3: Lists and Links

- Creating ordered and unordered lists
- Adding links and anchor tags
- Understanding relative and absolute paths

### Session 4: Images and Multimedia

- Embedding images
- Including audio and video elements
- Accessibility considerations for multimedia

## Week 2: Intermediate HTML

### Session 5: Forms and Input Elements

- Building forms with various input types
- Form validation and best practices
- Handling form submissions

### Session 6: Tables and Semantic HTML

- Creating tables to organize data
- Introduction to semantic HTML (e.g., `<header>`, `<nav>`, `<section>`)
- Importance of semantic structure for accessibility and SEO

## Session 7: HTML5 APIs

- Introduction to HTML5 APIs (e.g., Geolocation, Local Storage)
- Implementing basic features using HTML5 APIs

## Week 3: Introduction to CSS

### Session 8: Introduction to CSS

- Understanding the role of CSS in styling web pages
- Inline vs. internal vs. external stylesheets
- Selectors, properties, and values

### Session 9: Typography and Colors

- Styling text: fonts, sizes, and spacing
- Working with colors and backgrounds
- Responsive typography

### Session 10: Box Model and Layout

- Box model: margin, border, padding
- Controlling layout with CSS: Flexbox and Grid

## Week 4: Advanced CSS

### Session 11: Transitions and Animations

- Introduction to CSS transitions
- Creating simple animations with keyframes

### Session 12: Responsive Web Design

- Media queries and responsive layout techniques
- Mobile-first design principles

### Session 13: CSS Frameworks

- Overview of popular CSS frameworks (e.g., Bootstrap)
- Using a CSS framework to speed up development

## **Week 5: Project and Review**

### Session 14-15: Final Project

- Apply HTML and CSS skills to build a simple website
- Incorporate responsiveness and best practices

### Session 16: Review and Q&A

- Recap of key concepts
- Addressing any remaining questions
- Next steps in web development