

14-Day HTML Learning Roadmap

Day 1: Introduction to HTML

- Topics to cover:
 - What is HTML and its role in web development.
 - HTML document structure (`<!DOCTYPE>`, `<html>`, `<head>`, `<body>`).
 - Common HTML tags: `<title>`, `<meta>`, `<h1>`, `<p>`, `<a>`, ``, ``, ``, ``.
- Project:
 - Create a simple webpage with a title, heading, paragraph, and list.
- Resources:
 - MDN Web Docs: HTML (<https://developer.mozilla.org/en-US/docs/Web/HTML>)
 - FreeCodeCamp: HTML Basics

Day 2: Text Formatting and Semantic HTML

- Topics to cover:
 - Text formatting tags: ``, ``, `<u>`, `
`, `<hr>`.
 - Semantic HTML: `<header>`, `<footer>`, `<section>`, `<article>`, `<aside>`, `<nav>`.
- Project:
 - Create a blog homepage layout using semantic tags.
- Resources:
 - MDN: HTML Text Fundamentals (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element>)
 - W3Schools: HTML Text Formatting (https://www.w3schools.com/html/html_text.asp)

Day 3: Links and Images

- Topics to cover:
 - Creating hyperlinks with `<a>`, using `href`.

- Embedding images with , understanding src, alt, width, height.
- Project:
 - Add images and external links to your blog homepage.
- Resources:
 - MDN: HTML Links (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/a>)
 - W3Schools: HTML Images (https://www.w3schools.com/html/html_images.asp)

Day 4: Lists and Tables

- Topics to cover:
 - Unordered and ordered lists: , , .
 - Creating tables: <table>, <tr>, <td>, <th>, colspan, rowspan.
- Project:
 - Create a table of contents or a simple data table.
- Resources:
 - MDN: HTML Lists (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/ul>)
 - MDN: HTML Tables (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/table>)

Day 5: Forms and Input Elements

- Topics to cover:
 - Form elements: <form>, <input>, <textarea>, <button>, <select>, <option>.
 - Form attributes: action, method, name.
- Project:
 - Create a contact form with input fields for name, email, and message.
- Resources:
 - MDN: HTML Forms (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/form>)
 - W3Schools: HTML Forms (https://www.w3schools.com/html/html_forms.asp)

Day 6: Advanced Forms and Attributes

- Topics to cover:

- Input types: text, password, checkbox, radio, date, email, number.
- Form validation attributes: required, pattern, min, max, maxlength.

- Project:

- Enhance your contact form with validation (e.g., email validation).

- Resources:

- MDN: HTML Input Types (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/input>)
- FreeCodeCamp: HTML Forms

Day 7: Media Elements

- Topics to cover:

- Embedding audio and video: <audio>, <video>, controls, autoplay, loop.

- Project:

- Add an audio or video player to your blog page.

- Resources:

- MDN: HTML Audio (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/audio>)
- MDN: HTML Video (<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/video>)

Day 8: HTML5 Features

- Topics to cover:

- New HTML5 elements: <article>, <section>, <nav>, <figure>, <figcaption>, <mark>.
- Local storage, Web APIs (for later stages).

- Project:

- Create a simple portfolio or about me page using HTML5 elements.

- Resources:

- MDN: HTML5 Introduction (<https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/HTML5>)

- FreeCodeCamp: HTML5 Overview

Day 9: CSS Basics (to improve styling)

- Topics to cover:
 - Introduction to CSS: color, background, font-family, font-size, text-align.
 - Inline, internal, and external styles.
- Project:
 - Style your webpage (e.g., change font, colors, and layout).
- Resources:

- MDN: CSS Basics

(https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/CSS_basics)

- W3Schools: CSS Introduction (https://www.w3schools.com/css/css_intro.asp)

Day 10: Responsive Web Design

- Topics to cover:
 - Introduction to media queries.
 - Mobile-first design.
- Project:
 - Make your webpage mobile-friendly using media queries.
- Resources:

- MDN: Responsive Design

(https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries/Using_media_queries)

- FreeCodeCamp: Responsive Web Design

Day 11: HTML Accessibility (a11y)

- Topics to cover:
 - Importance of accessibility in HTML.

- ARIA roles, alternative text for images.
- Project:
 - Improve accessibility of your webpage (add alt texts, ARIA roles).
- Resources:
 - MDN: Accessibility (<https://developer.mozilla.org/en-US/docs/Learn/Accessibility>)
 - W3C: Web Accessibility Initiative (<https://www.w3.org/WAI/>)

Day 12: Best Practices and SEO Basics

- Topics to cover:
 - SEO fundamentals: semantic tags, title tags, meta descriptions, heading hierarchy.
 - Optimizing for search engines.
- Project:
 - Optimize your portfolio page for SEO.
- Resources:
 - MDN: HTML SEO Best Practices
(https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/Simple_HTML_page)
 - Moz: SEO 101 (<https://moz.com/beginners-guide-to-seo>)

Day 13: Project Development - Personal Portfolio Website

- Topics to cover:
 - Structuring your website (home, about, projects, contact).
 - Using HTML to create content for the portfolio.
- Project:
 - Build your personal portfolio using HTML and some CSS for design.
- Resources:
 - FreeCodeCamp: Build a Portfolio Page

Day 14: Review and Refactor

- Topics to cover:

- Review all the topics.
- Refactor your code and ensure it's well-organized and semantically correct.

- Project:

- Finalize your portfolio and optimize it.

- Resources:

- MDN: Review the HTML documentation.

Additional Tools and Resources:

- Code Playground:

- Use CodePen (<https://codepen.io/>) to experiment with HTML code.

- HTML Validator:

- W3C HTML Validator (<https://validator.w3.org/>) to check for syntax errors.