

# HTML Complete Roadmap - 2 Weeks (4 Days/Week)

## Week 1: HTML Fundamentals & Structure

### Day 1: HTML Basics & Document Structure

- What is HTML and why it's important
- Structure of an HTML document (DOCTYPE, html, head, body)
- Basic syntax and rules
- HTML elements and attributes
- Editors and browser setup
- Creating your first HTML page

Key Elements: `<!DOCTYPE html>`, `<html>`, `<head>`, `<body>`, `<title>`, `<meta>`

### Day 2: Text Content & Formatting

- Headings (h1 to h6), Paragraphs, Line breaks
- Text formatting tags: `<strong>`, `<em>`, `<b>`, `<i>`
- Lists: ordered, unordered, description
- Quotations and citations

### Day 3: Links, Images & Media

- Creating links (internal, external, email, phone)
- Adding images with alt text
- Embedding audio and video
- File paths: relative vs absolute

### Day 4: Tables & Basic Forms

- Creating tables: `<table>`, `<tr>`, `<td>`, `<th>`
- Basic forms and input types: text, email, password, radio, checkbox
- Labels, textareas, select dropdowns, buttons
- Form validation basics

## Week 2: Advanced HTML & Modern Practices

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## Day 5: Semantic HTML Elements

- Semantic vs Non-semantic elements
- HTML5 semantic tags: header, nav, main, section, article, aside, footer
- SEO and accessibility advantages

## Day 6: Advanced Forms

- Advanced input types: email, tel, url, date, number, range, color
- Validation attributes: required, pattern, min, max
- File upload, datalist, output, progress, meter

## Day 7: Multimedia & Embeds

- Responsive images with <picture> and <source>
- Embedding videos (YouTube), maps
- SVG and canvas introduction

## Day 8: Best Practices & Final Project

- Code structure and readability
- Accessibility: alt text, labels, headings
- SEO: meta tags, title, semantic HTML
- Final Project: Multi-page responsive website using all HTML concepts