

# HTML Crash Course — Lesson Notes

## What is HTML?

HTML (HyperText Markup Language) is the standard language for creating web pages. It describes the structure of a web page using a series of elements that tell the browser how to display content.

## Core Concepts

### Document Structure

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>My Page</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>This is my first web page.</p>
  </body>
</html>
```

### Common HTML Elements

Element	Purpose	Example
<h1> to <h6>	Headings	<h1>Main Title</h1>
<p>	Paragraph	<p>Some text</p>
<a>	Hyperlink	<a href="url">Link</a>
<img>	Image	
<div>	Container	<div class="box">...</div>
<ul>, <ol>	Lists	<ul><li>Item</li></ul>

## Semantic HTML5 Elements

- `<header>` — Page or section header
- `<nav>` — Navigation links
- `<main>` — Main content area
- `<section>` — Thematic grouping
- `<article>` — Self-contained content
- `<footer>` — Page or section footer

## Key Takeaways

1. Every HTML document needs `<!DOCTYPE html>`, `<html>`, `<head>`, and `<body>`.
2. Use semantic elements for better accessibility and SEO.
3. Always include `alt` attributes on images.
4. Validate your HTML using the W3C Validator.