

# HTML Cheat Sheet

(Comprehensive reference including structural tags, formatting tags, lists, images, special characters, and block/inline classification.)

## 1. Structural Tags

### HTML Document Structure

- `<html>` - Root element (block)
  - `<head>` - Metadata container (block)
  - `<title>` - Page title (inline)
  - `<body>` - Page content container (block)
  - `<header>` - Document/page header (block)
  - `<nav>` - Navigation links (block)
  - `<main>` - Main page content (block)
  - `<section>` - Thematic grouping of content (block)
  - `<article>` - Independent piece of content (block)
  - `<aside>` - Sidebar/indirectly related content (block)
  - `<footer>` - Footer section (block)
  - `<div>` - Generic block container (block)
  - `<span>` - Generic inline container (inline)
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## 2. Text Formatting Tags

### Basic Formatting

- `<b>` ... `</b>` - **Bold** (inline)
- `<i>` ... `</i>` - *Italic* (inline)
- `<strong>` ... `</strong>` - Strong importance (inline)
- `<em>` ... `</em>` - Emphasis (inline)
- `<mark>` ... `</mark>` - Highlight text (inline)
- `<sub>` ... `</sub>` - Superscript (inline)
- `<sup>` ... `</sup>` - Subscript (inline)

### Quotations & Citations

- `<blockquote>` ... `</blockquote>` - Block quotation (block)
- `<cite>` ... `</cite>` - Citation reference (inline)
- `<q>` ... `</q>` - Inline quotation (inline)

### Edits & Revision Tags

- `<ins>` ... `</ins>` - Inserted text (inline)

- `<del>` ... `</del>` - Deleted text (inline)
- `<s>` ... `</s>` - Strikethrough (inline)

## Definition & Semantics

- `<abbr> ... </abbr>` - Abbreviation (inline)
- `<acronym> ... </acronym>` - Acronym (inline) (*obsolete but included*)
- `<dfn> .. </dfn>` - Defines a term (inline)

## Line/Section Breaks

- `<hr>` - Horizontal rule (block)
- `<br>` - Line break (inline)

## Preformatted Text

- `<pre>` ... `</pre>` - Preserves spacing & uses monospace font (block)

### 3. Special Characters (HTML Entities)

Special characters MUST use character codes.

Examples:

- `<` → `&lt;`; or `&#60;`;
- `>` → `&gt;`; or `&#62;`;
- Non-breaking space → `&nbsp;`;

Example to show `<p>` literally:

<p>

To insert several spaces:

More codes available at: <http://www.tntluoma.com/sidebars/codes/>

## 4. Lists

### Ordered List `<ol>` (block)

Attributes:

- `type="1|A|a|I|i"`
- `start="n"`

Example:

```
<ol type="A" start="5">
```

### Unordered List `<ul>` (block)

Bullet types vary by browser.

### List Item `<li>` (block inside lists)

#### Definition List

- `<dl>` - container (block)
- `<dt>` - definition term (block)
- `<dd>` - definition description, indented (block)

Common use: visually indenting text.

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## 5. Images

### `<img>` Tag (inline)\*\*

Basic syntax:

```

```

Attributes:

- **src** - image source URL (required)
- **alt** - alternative text for accessibility (required)
- **title** - hover text (optional)

URL Types:

- **Absolute**: full path including protocol

- **Relative:** relative to the HTML file

## Image Types

- **GIF** - simple images, supports animation
- **JPG/JPEG** - photos, lossy compression
- **PNG** - lossless, transparency support

## Figures

- `<figure> ... </figure>` - semantic container (block)
- `<figcaption> ... </figcaption>` - caption (block or inline)

Example:

```
<figure>
  
  <figcaption>A Random Image</figcaption>
</figure>
```

## 6. Block vs Inline Reference

### Common Block-level Tags

`<div>`, `<p>`, `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, `<h6>`, `<ul>`, `<ol>`, `<li>`, `<blockquote>`, `<pre>`, `<header>`, `<footer>`, `<section>`, `<article>`, `<nav>`, `<figure>`, `<hr>`, `<main>`, `<aside>`

### Common Inline Tags

`<span>`, `<a>`, `<b>`, `<i>`, `<strong>`, `<em>`, `<mark>`, `<abbr>`, `<dfn>`, `<img>`, `<cite>`, `<q>`, `<sup>`, `<sub>`, `<s>`, `<ins>`, `<del>`, `<br>`

## 7. Additional Notes

- Browsers collapse multiple spaces → use `&nbsp;` for manual spacing.
- Definition lists are often used for custom indentation.
- Use semantic tags whenever possible for accessibility & SEO.

## 8. Table Tags

- `<table> ... </table>` - Table container
- `<tr> ... </tr>` - Table row

- `<td> ... </td>` - Table data cell
  - `<th> ... </th>` - Table header cell (bold, centered)
  - `colspan="n"` - Cell spans n columns
  - `rowspan="n"` - Cell spans n rows
  - `<col>` - Column styling element (often used for width)
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## 9. Additional Inline & Structural Tags

- `<h1> ... </h1>` through `<h6> ... </h6>` - Headings (block)
  - `<p> ... </p>` - Paragraph (block)
  - `<a> ... </a>` - Hyperlink (inline)
  - `<code> ... </code>` - Inline code (inline)
  - `<small> ... </small>` - Smaller text (inline)
  - `<time> ... </time>` - Time element (inline)
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## 10. SEO (Search Engine Optimization)

SEO refers to techniques used to make web pages more understandable and discoverable by search engines. It improves visibility, ranking, and accessibility by using clear structure, semantic HTML tags, meaningful content, and proper metadata.

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## 11. Semantic HTML Tags

Semantic tags describe the meaning and structure of content, helping browsers, search engines, and assistive technologies interpret the page.

- `<header>` - Introductory or navigational section for a page or article.
- `<nav>` - Contains major navigation links.
- `<main>` - The primary, unique content of the page.
- `<section>` - Thematically grouped content.
- `<article>` - Self-contained content that can stand alone.
- `<aside>` - Secondary or side content (pull quotes, ads, extra info).
- `<footer>` - Closing section with copyright, links, contact info.
- `<figure>` - Media element such as an image or diagram.
- `<figcaption>` - Caption or description for `<figure>`.
- `<details>` - A collapsible disclosure widget.
- `<summary>` - The visible heading/title for `<details>`.

Semantic tags improve readability, accessibility, SEO, and document clarity.

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**Good luck :)**