HTML & CSS Handbook - Expanded

=== HTML Essentials ===

- Structure: Doctype, html, head, body

- Head: meta, link, title, script

- Semantic Tags: header, main, section, article, footer

Forms:

- input types: text, email, password, radio, checkbox

- label, fieldset, legend

Tables:

<table>, <tr>, <th>, <td>

=== CSS Basics ===

Selectors:

- Class (.class), ID (#id), element (p), attribute ([type="text"])

Box Model:

- margin, border, padding, content

Positioning:

- static, relative, absolute, fixed, sticky

=== Layout Techniques ===

Flexbox:

- display: flex; justify-content, align-items, gap

Grid:

- display: grid; grid-template-columns: repeat(3, 1fr)

Responsive Design:

- Media Queries: @media (max-width: 768px) {...}

- Mobile-first strategy

=== CSS Animation ===

- transition: all 0.3s ease;

- @keyframes spin { from { ... } to { ... } }

=== Best Practices ===

- Use class names that describe function

- Normalize.css to reset defaults

- Use rem/em for scalable sizing

=== Advanced ===

- CSS Variables: --primary: #333;

- Pseudo-elements: ::before, ::after

- Pseudo-classes: :hover, :focus, :nth-child()