

Terms

Headings: Search engines use headings to identify what is the most important content on the page. <h1> is the most important to <h6> being the least.

Semantic markup: Semantic markup describes your content to search engines and screen readers. For example, you can use the my important text to tell the browser that the content is important. Browsers often have a default style for these tags which can be altered with CSS if you like.

Absolute link: A complete hyperlink to a website. <http://www.asite.com>

Relative link: A path to a folder or file within the website <myimages/image1.jpg>

Debugging: Use a HTML validator to find errors in your code (https://validator.w3.org/#validate_by_uri).

Structure

Link Tag Structure

```
<a href="http://www.asite.com" target="_blank">My first link</a>
```

Diagram illustrating the structure of the link tag:

- open/start tag: <a
- attribute 1: href="http://www.asite.com" (name: href, value: "http://www.asite.com")
- attribute 2: target="_blank" (name: target, value: "_blank")
- your content: My first link
- close/end tag:

Table Structure

```
<table>
  <tr>
    <th>
    </th>
  </tr>
  <tr>
    <td>
    </td>
  </tr>
</table>
```

Diagram illustrating the structure of the table tag:

- <table>: Declares a table
- <tr>: Declares a table row
- <th>: Declares a table heading
- </th>: Ends table heading
- </tr>: Ends table row
- <tr>: Declares a table row
- <td>: Declares a table column
- </td>: Ends table column
- </tr>: Ends table row
- </table>: Ends table

Tags discussed in class

Below is a brief synopsis of the new tags discussed in class. For more information such as additional attributes and current browser support visit www.w3schools.com/tags/default.asp.

Opening Tag	Closing Tag	Description
<code><h1></code> to <code><h6></code>	<code></h1></code> to <code></h6></code>	Headings: H1 = largest; H6 = smallest, etc.
<code><p></code>	<code></p></code>	Paragraph
<code>
</code>	none	Line break. This tag does not contain any content so it does not require a closing tag.
<code></code>	<code></code>	Semantic tag meaning emphasize (usually displayed as <i>italics</i>).
<code></code>	<code></code>	Semantic tag meaning important text (usually displayed as bold).
<code></code>	<code></code>	Link; relative or absolute The href attribute is required for all links. The href value is the link's web address/URL.
<code></code>	none	Image. Must include the src attribute which tells the browser where the image is. Should also include an alt tag to tell users what the image is if it cannot load or for is being described by a screen reader.
<code><!--</code>	<code>--></code>	Comment – text between these tags is not displayed on live web page, only in the source code; is useful for making notes for yourself and others viewing your code.
<code><table></code>	<code></table></code>	Declares content will display in a table format
<code><th></code>	<code></th></code>	Table heading; will display in bold or distinct format
<code><tr></code>	<code></tr></code>	Table row; info will display in one row
<code><td></code>	<code></td></code>	Table data: text will display in one cell
<code></code>	<code></code>	Ordered (numbered) list
<code></code>	<code></code>	Unordered (bulleted) list
<code></code>	<code></code>	Item in list; nested inside a list element, either ordered <code></code> or unordered <code></code>
<code><q></code>	<code></q></code>	Text will display in quotation marks
<code><blockquote></code>	<code></blockquote></code>	Quote indented on both left and right margins

Tags to explore on your own

Opening Tag	Closing Tag	Description
<code></code>	<code></code>	Bold text
<code><i></code>	<code></i></code>	Italic text
<code></code>	<code></code>	Semantic tag meaning emphasize (displayed as <i>italics</i>).
<code></code>	<code></code>	Semantic tag meaning important text (displayed as bold).
<code><mark></code>	<code></mark></code>	Semantic tag meaning highlighted text (displayed as highlighted).
<code><small></code>	<code></small></code>	Semantic tag meaning smaller text (displayed as smaller text).
<code></code>	<code></code>	Semantic tag meaning delete text (displayed as deleted text).
<code><sub></code>	<code></sub></code>	Semantic tag meaning subscript text (displayed as _{subscript text}).
<code><sup></code>	<code></sup></code>	Semantic tag meaning superscripted text (displayed as ^{superscript text}).
<code><cite></code>	<code></cite></code>	Semantic tag for citing a source (displayed as <i>Author</i>).
<code><abbr title="Full Name">FN</code>	<code></abbr></code>	Semantic tag for defining an abbreviation. Must have the title attribute defined. It does not have a default style but will display the full name of the abbreviation when the user hovers over the text with their mouse.
<code><dfn></code>	<code></dfn></code>	Semantic tag meaning defined term (sometimes displayed as <i>italics</i>). Should be followed with an explanation of the term
<code><q></code>	<code></q></code>	Semantic tag for a short quote (displayed as "text").
<code><blockquote></code>	<code></blockquote></code>	Semantic tag for a long quote. Quote indented on both left and right margins
<code><address></code>	<code></address></code>	Semantic tag for a contact information (displayed as <i>text</i>).
<code><details></code>	<code></details></code>	Semantic tag for a detail information (displayed as ► details). Content inside will be hidden until the arrow is clicked. Use the Summary tag with this tag to alter the visible text that is displayed beside the arrow.
<code><summary></code>	<code></summary></code>	Semantic tag for a summary heading for the details tag (displayed as ► my summary). Must be nested inside the details tag.
<code><time></code>	<code></time></code>	Semantic tag for time. Does not have a default style.