CIS4004 HTML Block Elements

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Status:

Tags: [IT](IT)

Before Class Stuff

- Project 1
  - Verify with W3C validator
  - Can use Handshake profile instead of LinkedIn
  - Website needs to work for desktop and mobile
  - Due on September 28th, get started asap!

CIS4004 HTML Block Elements

Block and Inline Elements

- HTML is for markup content and styling comes later, but they do have default presentation styles already applied
- **Display** dictates how HTML elements appears on screen
  - **Block** = Begins on a new line in its container.
    - Divide webpage into major chunks and organize page content
  - **Inline** = Continues flow with surrounding elements; only as wide as it needs to be.
    - Markup small sections of content
- The **< div>** tag is commonly-used for block tag, and < span> is commonly-used for inline tags
  - No semantic meaning

Block Tags

- **< main>** = Denotes a container that holds the primary content for the page
  - Should only be one main tag in a document
  - Should not be a child of other semantic HTML tags, like < article> or < aside>
- **< article>** = Indicates a complete, self-contained journal/news article, blog post, etc.
- **< header>** = In some articles, e.g. academic writings, headers contain various information such as the title, list of authors, keywords, abstract, etc.
- **< section>** = Sub-container in a document.

- **< aside>** = Contain auxiliary content that is related to the main content.
- **< nav>** = Denotes a set of links for navigation.
- **< address>** = Indicates email, phone number, physical address, web address, social media, etc.
- **< blockquote>** = Indicate content that's quoted from another source.
- **< dl>, < dt>, and < dd>** = Description list, description term, description information
- **< figure>** = Indicates a figure on a page (pictures, graphical charts, other illustrations)
  - Usually accompanied by **< figcaption>** for the caption.
- **< hr>** = Horizontal rule
- **< pre>** = Pre-formatted text; renders white space as written in the HTML rather than a normal paragraph tag.

Inline Tags

- **< a>** = Anchor; link to another resource.
- < img> = Includes an image in the document
  - src specifies the location of the resource
  - alt attribute improves accessibility and enables a textual description of the image
- **< br>** = Line break in the current content
- **< code>** = Denotes a snippet of sample code, such as Java, HTML, and other programming languages.
- **< kbd>** = Denotes keyboard input.
- **< samp>** = Sample output from a program.
- < abbr> = An abbreviation/acronym
  - Using the title attribute the user can get the full name by hovering over it.
- **< sub>** = Subscript.
- **< sup>** = Superscript.
- **< time>** = Timestamp
  - The **datetime** attribute is not displayed, but it helps search engines and browsers understand the value.
- **< em>** = Emphasis, should be spoken with slight stress. Use instead of italic.
- **< strong>** = Use instead of < b> for bold. The text has a sense of urgency.
- **< button>** = Places a clickable button into the content.
  - Can be combined with text, images, and various styling to create the desired effect.
  - The onclick event attribute can be used to specify a JavaScript function to run when clicked.

References