**HTML BASICS**

HTML (HyperText Markup Language) Basics

- HTML is used to structure a webpage and its content.

- It is a series of elements that consist of an opening tag, content, and a closing tag:

- <p>Content</p>

- It can contain an attribute, which contains extra information about the element:

- <p class='editor-note'>Content</p>

Element Nesting

- Elements can be nested inside of each other:

- <p>My cat is <strong>very</strong> grumpy.</p>

Empty Elements

- Some elements have no content, but they contain attributes that embed information.

- <img src='images/firefox-icon.png' alt='My test image'>

Basic Anatomy

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>My test page</title>

</head>

<body>

</body>

</html>

- <!DOCTYPE html> ensures that the document behaves correctly.

- <html></html> wraps all the content on the page and is known as the root element.

- <head></head> acts as a container for the elements that are not shown to a page's viewers.

- <meta charset='utf-8'> signifies that the document should use the UTF-8 charset, which includes characters from the vast majority of written languages.

- <title></title> sets the title that appears in the browser tab.

- <body></body> contains all the content that users will see.

Essential Elements for Marking Up Text

Headings

- HTML contains 6 heading levels <h1>-<h6>.

<h1>My main title</h1>

<h2>My top level heading</h2>

<h3>My subheading</h3>

<h4>My sub-subheading</h4>

Paragraphs

- <p> elements contain paragraphs of text.

<p>This is a single paragraph</p>

Lists

- The most common lists are ordered and unordered.

- Unordered lists have no inherit order, and they are wrapped in a <ul> element.

- Ordered lists have an inherit order, and they are wrapped in an <ol> element.

- Each item inside a list is placed in a <li> element.

'''

<ul>

<li>technologists</li>

<li>thinkers</li>

<li>builders</li>

</ul>

'''

Links

- Links make the web a web, and they are created using the <a> or anchor element.

- It takes an attribute called href that refers to hypertext reference.

<a href="https://www.mozilla.org/en-US/about/manifesto/">Mozilla Manifesto</a>

Divs and Spans

- Divs and spans are generic elements that can contain anything.

- <div>

- <span>

- They are great "hook" elements that can be used for grouping related elements for styling.