**HTML** - HyperText Markup Language - the standard markup language used to create web pages.

**CSS** - Cascading Style Sheets - style sheet language used for describing the look and formatting of a document written in a markup language.

**DOM** - Document Object Model - a cross-platform and language-independent convention for representing and interacting with objects in HTML (and other markup languages). The nodes of every document are organized in a tree structure, called the DOM tree.

From <<https://www.udacity.com/course/viewer#!/c-ud721-nd/l-3555039510/m-2596138815>>

Cascading - Think national laws being the same as house rules

"Inheritance"

HTML Attributes

Anchors are for making links <a> - Link

<TAG ATTR="value"> contents</TAG>

<a href="www.reddit.com"> derp </a>

Href- attribute name "-" - Value

<img> - images

<img src="url" alt="text">

* Alt is the text that is shown when an image is broken
* For the blind
* Images don't have a closed tag (Void tag)

<b> </b> = Bold

<em> </em> = italics

<a href="*Link"*>*Text to display*</a> = create a hyperlink with text

<img> = images

<img src="**url**" alt="**text**"> **Bold is required**

If no close tag, called a "Void" tag

<br> "Break" tag - Return

<p> paragraph tag

<br> Inline tag

<p> block

<span> inline tag

<div> Block

<span class="too"> (CSS)

Text inline

</span>

<div> Block

<!DOCTYPE HTML> - Doctype HTML5

<html> surrounds entire document

<head> - includes meta-data, java, CSS

<h1> tag makes text size change and creates a box around the tag with bigger space

Display:flex; makes the display change from vertical boxes to horizontal alignment

Box-sizing: border; for box resizing

This adds another step, but it lets you stay more organized when working on larger projects. To do this: 1. Write all of your structural HTML in one file (let's call it main.html). 2. In a separate file (let's call it main.css), put all of your CSS code. 3. Add a <head> element to the top of your HTML. 4. Add a<link> tag inside the <head> element. Since <link> is a "void tag" you don't need to add a closing</link>. 5. Add the following attributes to your <link>: \* rel="stylesheet" \* type="text/css" \*href="main.css"

For example, you would have a main.html file that looked like this:

<head>  
 <link rel="stylesheet" type="text/css" href="main.css">  
</head>  
<body>  
 <div>  
 This will have a red background.  
 </div>  
</body>

and *in the same folder* you would have a file called main.css like this:

div {  
 background-color : red;  
}