CSS SELECTORS / BOX MODEL

SELECTORS:
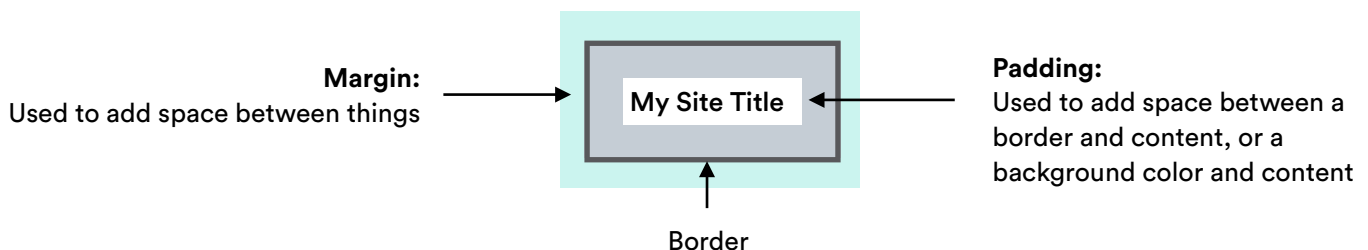
`a {}`	*Element Selector*
`p a {}`	*Descendant Selector*
`* {}`	*Universal Selector*
`h1, h2 {}`	*Select Multiple Elements*
`#about {}`	*Select an element with an ID*
`.main-nav`	*Select an element/elements with a class*

CLASSES AND IDS:

Selector	Description	HTML Example	CSS Example
Class	*Classes group elements together.*	`<li class="my-class-name"></li>`	`.my-class-name {}`
ID	*Ids are unique. Each id can only be used once per HTML file.*	`<li id="my-id-name"></li>`	`#my-id-name {}`

BOX MODEL:

width	*width: #px;*	width: 300px;
height	*height: #px;*	height: 80px;
border	*border: width style color;*	border: 1px solid red;
	border-side: width style color;	border-top: 1px solid red;
margin	*margin: ##px;*	margin: 20px;
	margin-side: ##px;	margin-top: 25px;
	margin: top right bottom left;	margin: 20px 10px 10px 5px;
padding	*padding: ##px;*	padding: 20px;
	padding-side: ##px;	padding-top: 25px;
	padding: top right bottom left;	padding: 20px 10px 10px 5px;

Margin:
Used to add space between things

My Site Title

Padding:
Used to add space between a border and content, or a background color and content

Border

HTML BASICS

HTML ELEMENTS:

Tag Name	Description	Example
h1 - h6	*Headings and Subheadings*	`<h1>Site Title</h1>`
p	*Paragraph*	`<p>Here's my paragraph</p>`
a	*Anchor (link)*	`<a href="urlhere">Link Text</a>`

ul	*Unordered list*	`<ul>`
		`    <li>One</li>`
		`    <li>Two</li>`
		`</ul>`

li	*List item*	`<li>My list item</li>`
img	*Image*	`<img src="image.png" alt="text description">`

HTML5 ELEMENTS:

Tag Name	Description
header	*Contains introductory content, such as the site title and navigation*
nav	*Contains a major navigational block*
footer	*Contains footer content*
main	*Contains content that is unique to that particular page*
article	*Self-contained, standalone content that would make sense on its own*
aside	**Not** *required to understand the rest of the page*
section	*A general section of the page that could have a heading*
div	*A wrapper for styling and none of the above apply*

ATTRIBUTES:

Provide extra information about an element. Go within the opening tag.

Syntax: `<tag attributeName="attributeValue">Content</tagName>`

Example: `<a href="http://mysite.com">Link to my site</a>`

CSS BASICS

TEXT STYLES:

Property	Description	Example
color	*Text color*	color: #888888;
background-color	*Background color*	background-color: #dfdfdf;
text-align	*Text alignment*	text-align: center;
text-decoration	*Text underline*	text-decoration: none;
text-transform	*Text casing*	text-transform: uppercase;
font-weight	*Font weight*	font-weight: 600;
font-style	*Font style*	font-style: italic
font-family	*Font*	font-family: "Raleway", sans-serif;
font-size	*Font size*	font-size: 30px;
line-height	*Space between lines*	line-height: 20px;
letter-spacing	*Space between letters*	letter-spacing: 1px;

BACKGROUND STYLES:

Property	Description	Example
background-color	*Background color*	background-color: #dfdfdf;
background-image	*Background image*	background-image: url('../css/image_name.jpg');

```
SELECTOR — WHAT WE ARE STYLING ——>   h2 {
                                         text-align: center;
                                         font-size: 25px;    <— STYLES
                                     }
```