## The Languages of the Web

In this lesson, we will go over some of the popular web languages that we use to build web page.

WE'LL COVER THE FOLLOWING ^

- HTML
- CSS
- JavaScript

There are three main technologies for creating web pages: HTML, CSS and JavaScript.

## HTML #

HTML, short for HyperText Markup Language, is the document format of web pages. An HTML document is made of text and structural elements called *tags*. Tags are used to describe the page content: paragraphs, headings, hyperlinks, images, etc.

Here is an example of a simple web page, usually stored as an .html file.

```
If the in the great city of <a href= https://en.wikipedia.org/wiki/Bordeaux >Bordeaux </body>
</html>
```

Here are a few references for learning more about HTML:

- Interneting is Hard A friendly web development tutorial for complete beginners
- Khan Academy Intro to HTML
- Mozilla Developer Network HTML reference

## CSS#

CSS, or Cascading Style Sheets, is a language used to alter the presentation of web pages.

CSS uses *selectors* to declare which HTML elements a style applies to. Many selecting strategies are possible, most notably:

- All elements of a given tag name.
- Elements matching a given class (selector syntax: .myClass).
- The element matching a given and unique identifier (selector syntax: #MyId).

Here is an example of a simple CSS style sheet, usually stored as a .css file.

```
Output

HTML

CSS (SCSS)

/* All h1 elements are pink */
h1 {
   color: pink;
}

/* All elements with the class "done" are strike through */
.done {
```

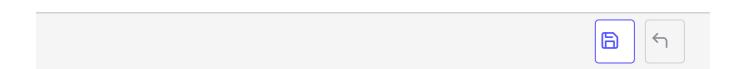
```
text-decoration: line-through;
}

/* The element having id "rude" is shown uppercase with a particular font */
#rude {
  font-family: monospace;
  text-transform: uppercase;
}
```

A style sheet is associated with an HTML document using a link tag in the head part of the page.

```
HTML

<!-- Link to a CSS stylesheet -->
<link href="path/to/file.css" rel="stylesheet" type="text/css">
```



To learn more about CSS, visit the following links:

- Khan Academy Intro to CSS
- Mozilla Developer Network CSS reference JavaScript

## JavaScript #

JavaScript can interact with an HTML document to provide dynamic interactivity: responses to user actions on the page, dynamic styling, animations, etc. It is the only programming language understood by all web browsers.

A JavaScript file, usually stored in a .js file, is loaded by a web page with a <script> tag.

<!-- Load a JavaScript file --> <script src="path/to/file.js"></script>



