

HTML/CSS

[Here](#) is a tutorial that explains all the relevant concepts in HTML/CSS and walks you through creating a webpage.

Note that if you don't save your site as a .html file, it will just be a regular text file.

[w3schools](#) is a great resource to learn more about specific HTML/CSS features, like a list of [HTML tags](#), or [CSS properties](#).

Javascript

We use Javascript to make webpages interactive. There are many different ways to add Javascript to your application; you can inline the code between <script> tags:

```
<script>
    let d = new Date();
    alert("Today's date is " + d);
</script>
```

Or you can refer to an external Javascript file where the value of the src attribute is the relative path to the file from your HTML page:

```
<script src="js/script.js"></script>
```

These usually go at the bottom of the page before the closing body tag:

```
    <script src="js/script.js"></script>
</body>
```

Like Python, Javascript is a programming language, [this site](#) will get you started with the fundamentals of Javascript. Alternatively, you can take [this Codecademy course](#) up to "Loops".

After the basics, [here](#) is a tutorial on DOM manipulation using Javascript, **you will need this for one of your homeworks.**

Other important Javascript concepts you will need to build a site include:

[Event listeners](#)

Flask

So far you've only created a webpage, which is basically just a file. We want to set up a server so that we can go this webpage when we enter a address in the address bar of a browser.

[Flask comes installed on the provided VM image, but generally you would need to make sure that [Python3](#) is installed on your system, then start [Command Prompt](#)(Windows) or [Terminal](#)(Mac) and enter the following command:

```
pip install Flask
```

]

[This tutorial](#) shows you how to set up a Flask server, complete with HTML/CSS. You should only need to know up to “Adding a navigation menu to the website,” but feel free to read more.

Hopefully you know how to run a python file, but if not it's the following command:

```
python path/to/file
```

Finally, this is complicated stuff, so if you need help come to office hours.