

DMIT 1530

Week 2
Frameworks

It's time to start moving away from fixed-widths and pixel measurements.

In order to do that, we'll need to put together a **framework** that is more flexible than what we currently have.

Pre-built Frameworks

Whose framework is it, anyway?

A **framework** is a **template** or starting point for a web project.

It generally includes code that every website needs, or that you'll use over and over again.

There are a number of open source **pre-built frameworks** available online.

They are useful, but you will often need to spend some time with their documentation in order to **learn** how to really use them.

Some popular examples include:

Bootstrap	https://getbootstrap.com/
Foundation	https://get.foundation/
HTML5 Boilerplate	https://html5boilerplate.com/
Less	https://lessframework.com/
Skeleton	http://getskeleton.com/

However, with pre-built frameworks, you may find a lot of code that you do not end up using.

These **bloated** frameworks can cause a dip in website performance.

For now, we are going to **build our own** frameworks.

Starting From Scratch

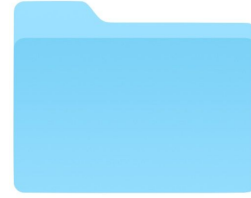
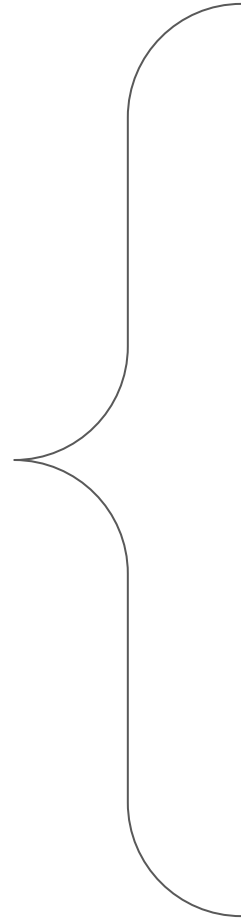
Well, not Scratch, but ...

For now, we are going to **build our own** frameworks.

Start by creating the directories that you need.



web2-framework



css



img



js

Next, create an `index.html` file in the **root** of your `web2-framework` folder.

The contents should look something like this:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>A Totally Semantic Title</title>
    <!-- Stylesheets -->
    <link rel="stylesheet" href="css/reset.css">
    <link rel="stylesheet" href="css/styles.css">
  </head>
  <body>
    <div class="container">
      <h1>Hello, world!</h1>
    </div>
  </body>
</html>
```

You may also include a few useful `<meta>` elements, which can help describe the data in your HTML document.

They often include **name** and **content** attributes.

name

Specifies the type of information the tag contains.

content

This is the actual meta content.


```
<meta name="viewport" content="width=device-width,  
initial-scale=1.0">
```

```
<meta name="author" content="Valerie Watson">
```

```
<meta name="description" content="This is a basic index  
template; therefore, the content of this tag will need to  
be updated later.">
```

Once you're happy with your `index.html` document, you will need to choose a **CSS reset** and write your **CSS styles** template.