Fall 2017: https://ar589.github.io

Interactive Design

Introduction
Getting Setup
Intro to HTML
Intro to CSS

Goals for This Semester

- * Develop an understanding of a modern interactive design process.
- * Put your work on the web.
- * Use code + a web browser as your design tool.

"I'm sorry, did he say code?"

-You, probably.

A Brief Overview of This Semester

Assignments

Assignment No. 1

Art-Directed Article

Assignment No. 2

Weather App Interface

Assignment No. 3

Portfolio Website

Ongoing

Weekly Challenges

Expectations

- * Attendance is required.*
- * Come to class ready to talk about your work.
- * All work must be submitted via GitHub.
- * Your must write your own code.

 Use of unsanctioned code in assignments or weekly challenges will earn a failing grade.

Resources

Website

https://ar589.github.io

Slack

https://ar589.slack.com/signup

Email

dperrera@bu.edu

Getting Set Up

Tools of the Trade

- Web Browser
- * Code Editor
- * Terminal
- * Git/GitHub

Web Browser

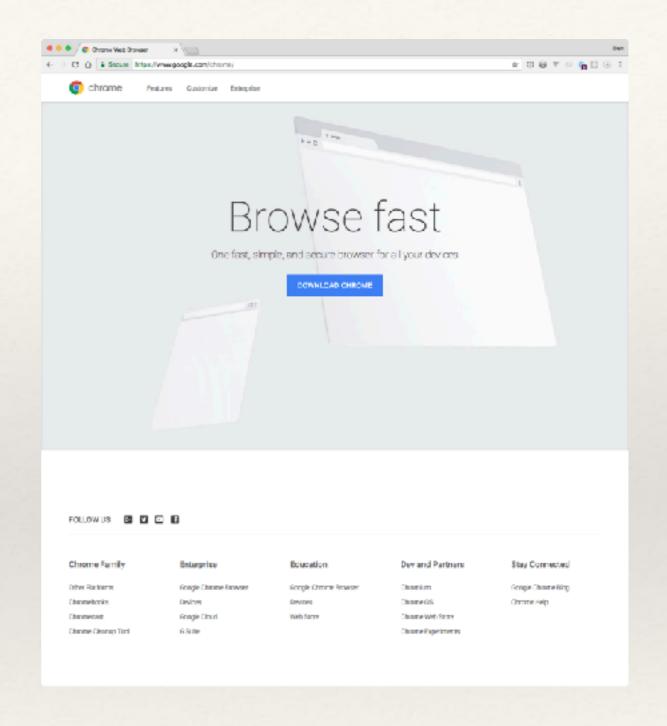
Google Chrome

Most popular browser in the world

Excellent developer tools

Cutting-edge Browser features

https://google.com/chrome



Code Editor

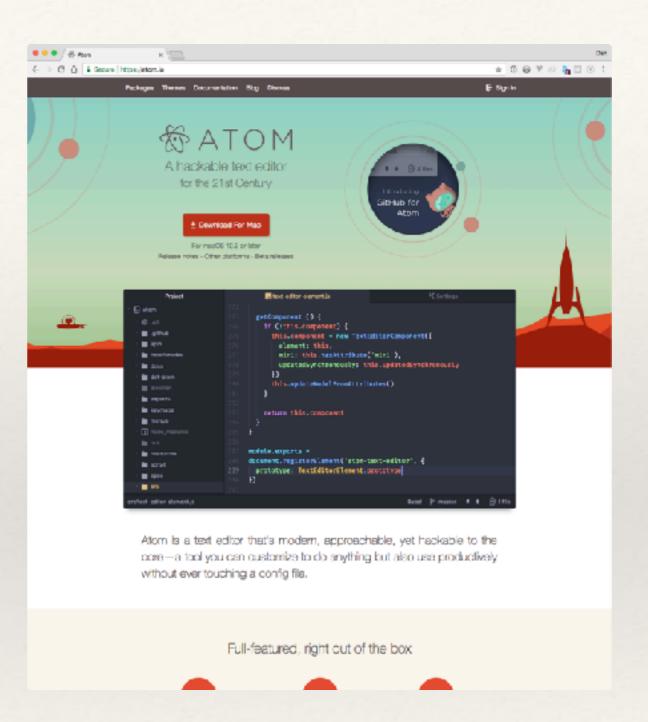
Atom

Open Source

Extendable

Minimal

https://atom.io



Terminal

Terminal.app

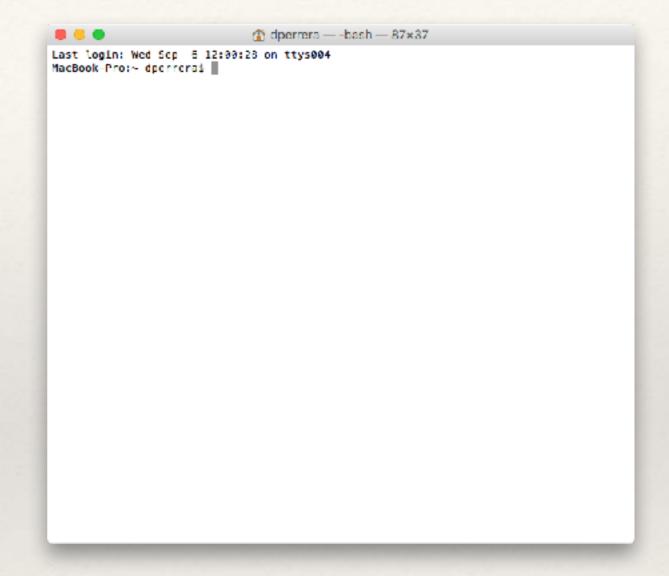
Bundled with OS X

A fast interface for our computers

Turn our computer into a server

Version control with git

/Applications/Utilities/Terminal.app



Git

GitHub

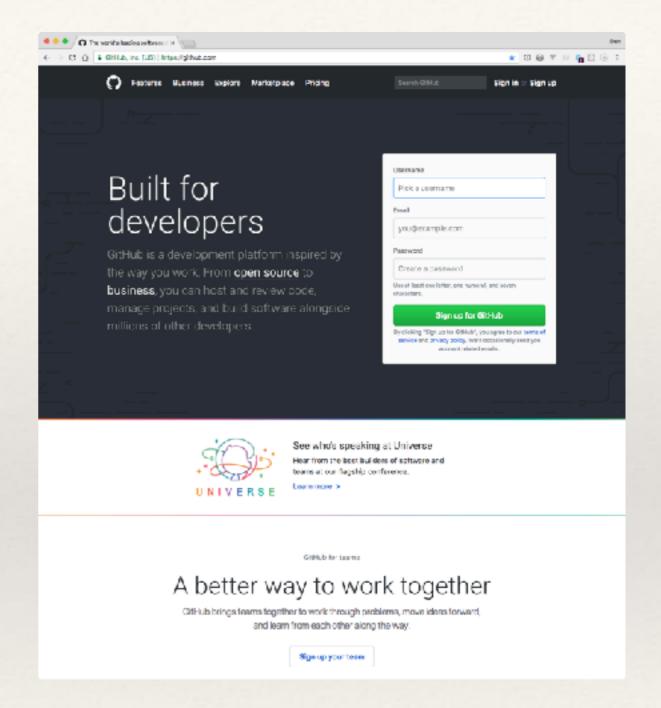
Most popular version control system

Free for public repos

Great for collaboration

Great for submitting your work

https://github.com



Intro to HTML

What is HTML?

- * "Hyper Text Markup Language"
- Text outline for your web page
- * Structure is described with "elements"
- * Files end in ".html"

HTML Elements

Opening Tag

Closing Tag
Content
Content
HTML Element

Open Atom and Chrome

- * In Atom, make a new file called 'index.html' and save it to your desktop.
- * Drag the index.html file into Chrome.

Headings

- * There are six levels of headings
- * <h1>-<h6>
- * You will usually only use four

Headings

```
<h1>Dogs</h1>
<h2>Breeds</h2>
<h3>Poodles</h3>
<h4>Standard Poodle</h4>
<h4>Miniature Poodle</h4>
<h4>Toy Poodle</h4>
```

Paragraphs

Hello world!

Lists

- * Ordered
- * Unordered
- * List Items

Unordered Lists

```
FlourWaterSalt
```

Ordered Lists

```
     Measure ingredients.
     Mix together.
     Bake for 1 hour.
```

Links

Attribute

BU

Images

Attributes

Block vs. Inline Elements

- * Block elements start on a new line.
- * Inline elements go with the flow of the content.

Block Elements

- * Headings
- * Paragraphs
- * Lists / List Items

Inline Elements

- * Links
- * Images

Comments

<!-- This doesn't render -->

A Basic HTML Page

"Hey browser, this is an HTML Document!"

"The document starts here."

"Browsers! This is how to properly render what I made."

"Show this stuff to the humans."

```
= untitled
       index.html
<!DOCTYPE html>
 <html lang="en">
   <head>
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1.0">
     <meta http-equiv="X-UA-Compatible" content="ie=edge">
     <title>Document</title>
   </head>
   <body>
     <h1>Hello World!</h1>
   </body>
 </html>

    LF Insert
```

"All done!"

Default Styling



Hello world!

I'm Don and this is my cool web page. This is for the class I'm teaching at Boston University called Interactive Design.

Things I Like

- Coffee
- Designing things
- Dogs
- Cats, I guess

A Photo



Adding Style

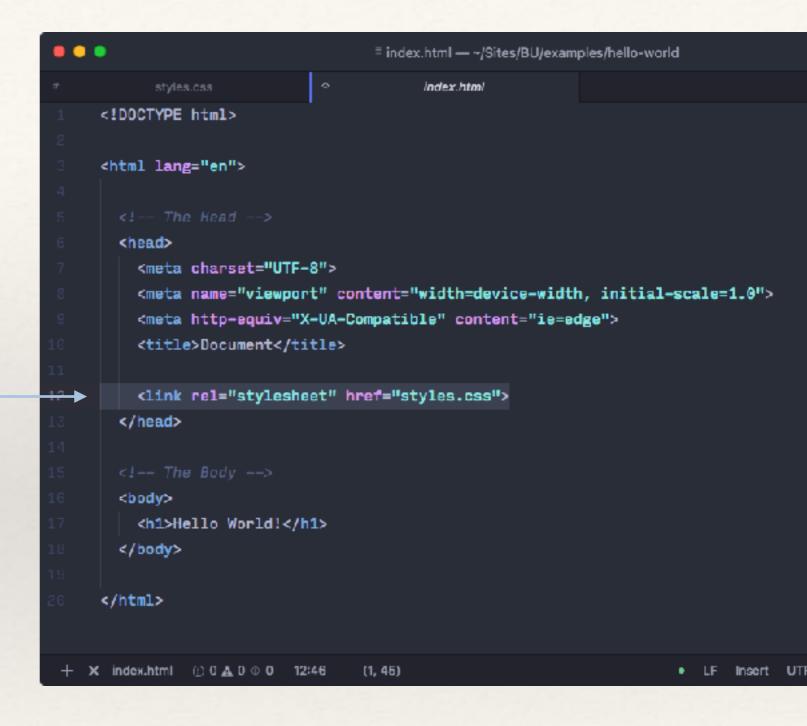
What is CSS?

- * "Cascading Style Sheets"
- * CSS is the language used to describe the style and layout of web pages.
- * Your CSS files contain rules for the browser to follow.
- * Files end in ".css"
- * CSS files are "linked" in the head of your HTML document.

Open Atom and Chrome

- * In Atom, make a new file called 'style.css' and save it to your desktop.
- * Link the CSS file to your HTML document in the head-of 'index.html'

"Hey Browser, check out this document to see how I want this page to look."



A CSS Declaration

```
Selector → h1 {

Property → color: red; ← Value
}
```

A CSS Declaration

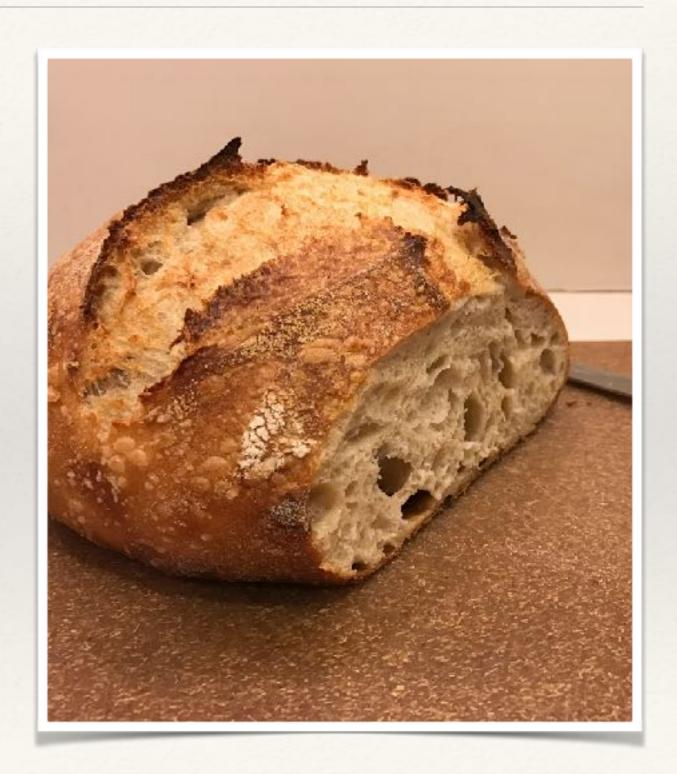
```
h1 {
  color: red;
  font-size: 20px;
  text-transform: uppercase;
}
```

Design Challenge!

Bread Recipe

Using HTML and CSS, make a web page to present a bread recipe with the provided text and image.

- * Your solution must render correctly in a web browser.
- * It must include the provided image.
- * It must include at least 5 CSS rules linked from a separate file.
- * https://github.com/AR589/
 challenges/tree/masker/1-bread-recipe



Helpful Resources

- * https://developer.mozilla.org/en-US/docs/Learn/HTML
- * https://developer.mozilla.org/en-US/docs/Learn/CSS
- * http://htmlreference.io/
- * http://cssreference.io/