

Spring 2018 — ar589.github.io

Week 1

Interactive Design

Introduction

Getting Setup

Intro to HTML

Goals for This Semester

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

An Overview

Assignments

- Art-Directed Article
- Weather App
- Ongoing Weekly Challenges

Expectations

- Attendance is required.*
- Come to class ready to talk about your work.
- Bring your computer.
- 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**

ar589.github.io

- **Slack**

ar589.slack.com/signup

- **Email**

dperrera@bu.edu

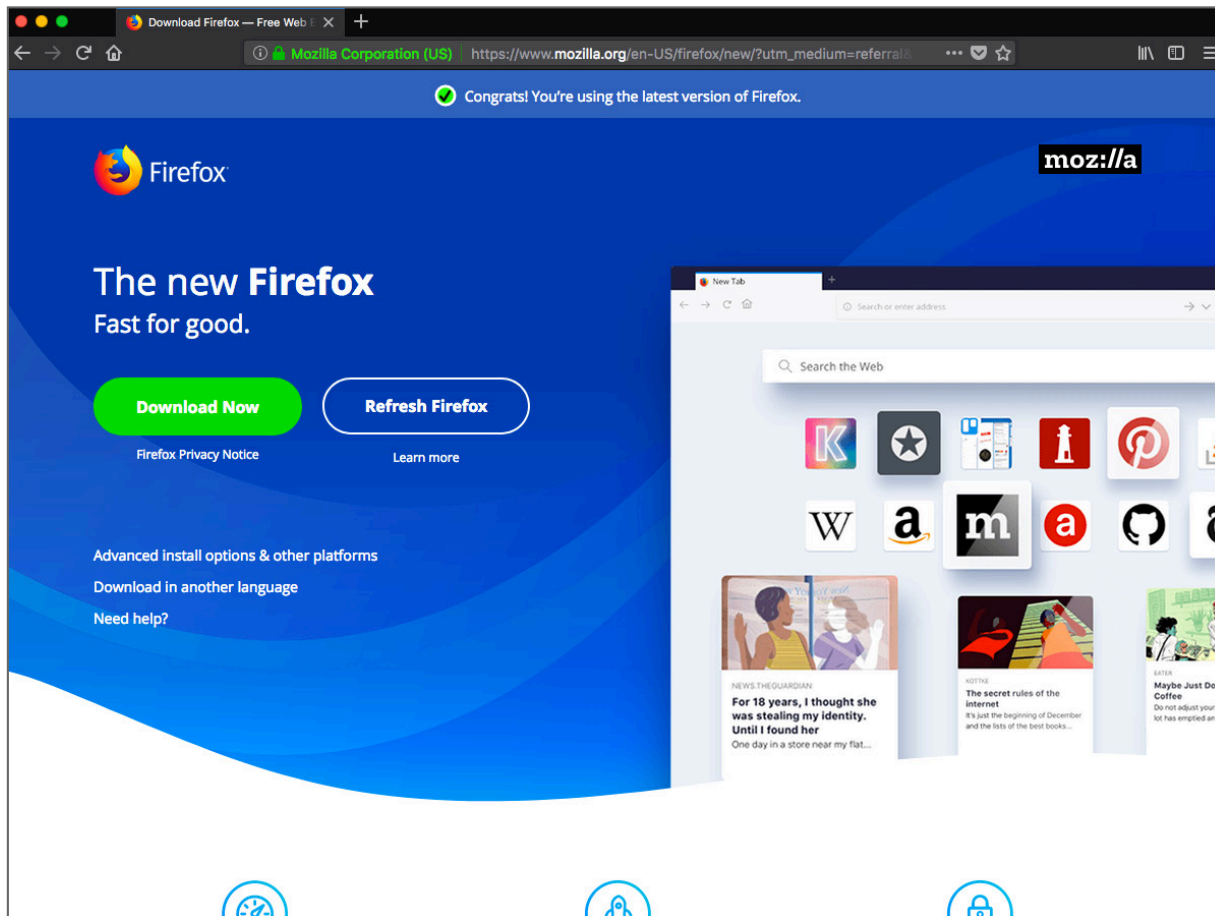
Getting Set Up

Tools of the Trade

- A Web Browser.
- A Code Editor.
- A Version Control System.

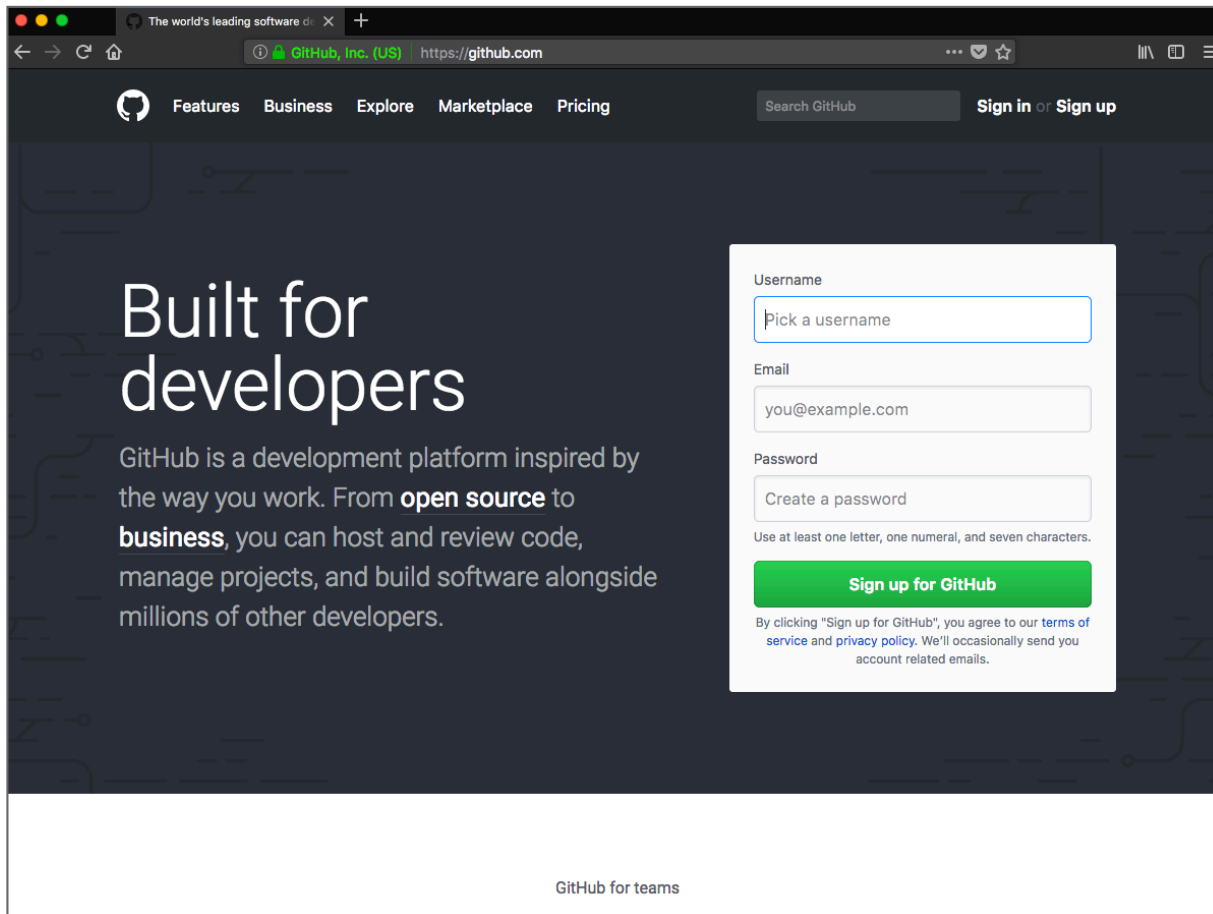
Web Browser: Firefox

firefox.com



Version Control: Github

github.com



The screenshot shows the GitHub homepage in a web browser. The browser's address bar displays "https://github.com" and the page title is "The world's leading software development platform". The navigation bar includes links for "Features", "Business", "Explore", "Marketplace", and "Pricing", along with a search bar and "Sign in or Sign up" links. The main content area has a dark background with the text "Built for developers" and a description of GitHub as a development platform. A white sign-up form is overlaid on the right side of the page, containing fields for "Username", "Email", and "Password", a green "Sign up for GitHub" button, and a disclaimer about terms of service and privacy policy.

Username

Email

Password

Use at least one letter, one numeral, and seven characters.

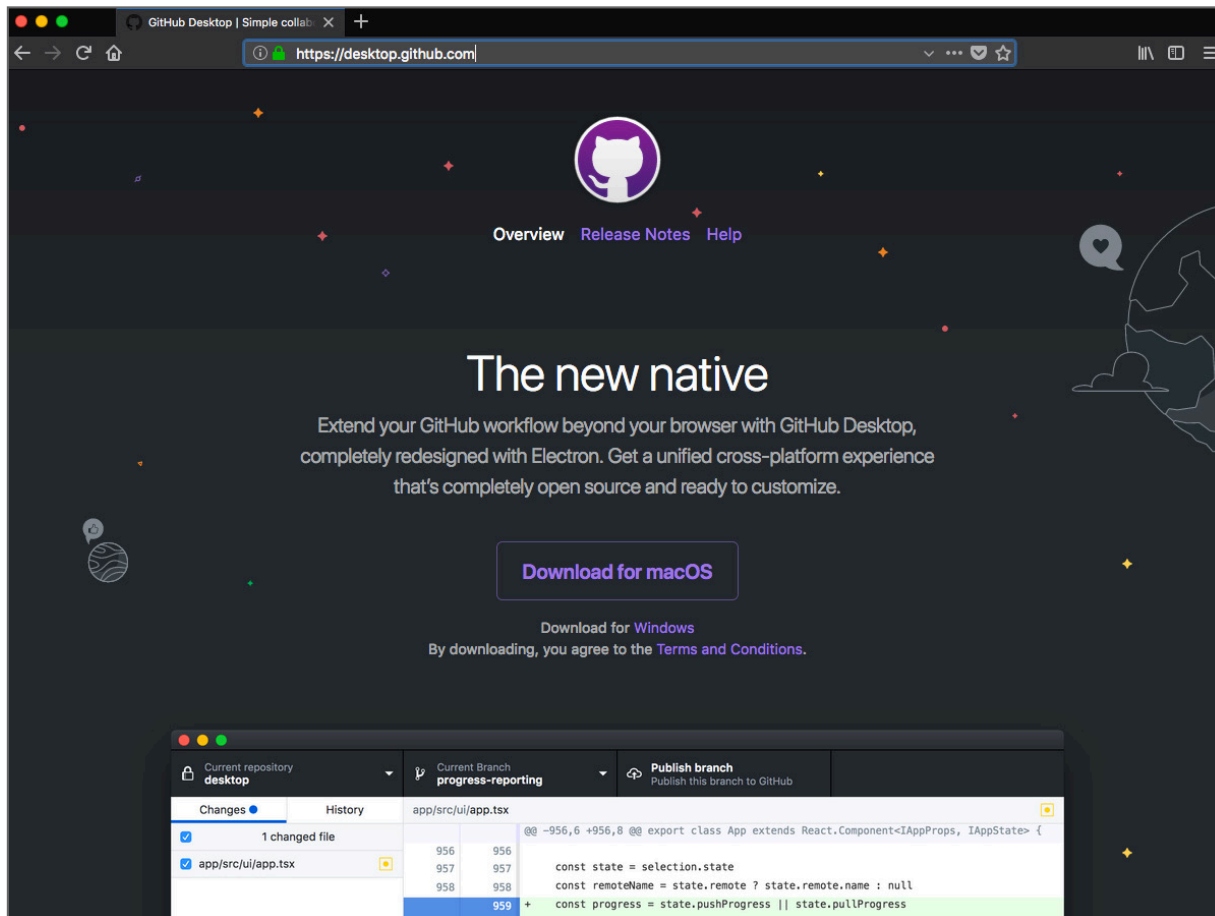
[Sign up for GitHub](#)

By clicking "Sign up for GitHub", you agree to our [terms of service](#) and [privacy policy](#). We'll occasionally send you account related emails.

GitHub for teams

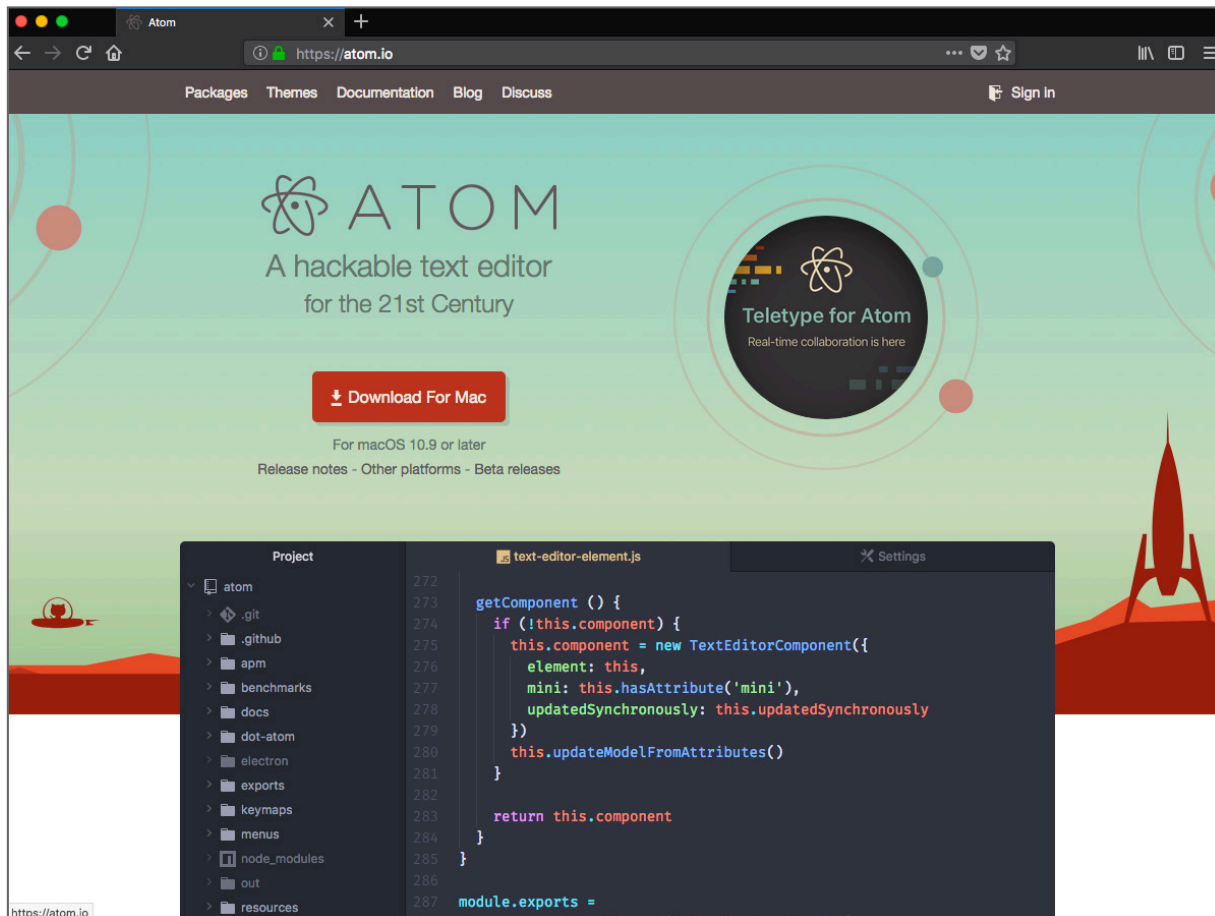
Git Client: Github Desktop

desktop.github.com



Code Editor: Atom

atom.io



Open Atom!



A hackable text editor for the 21st Century

For help, please visit

- The [Atom docs](#) for Guides and the API reference.
- The Atom forum at [discuss.atom.io](#)
- The [Atom org](#). This is where all GitHub-created Atom packages can be found.

☒ Show Welcome Guide when opening Atom

[atom.io](#) ×

Get to know Atom!

Open a Project

Version control with Git and GitHub

Collaborate in real time with Teletype

Install a Package

Choose a Theme

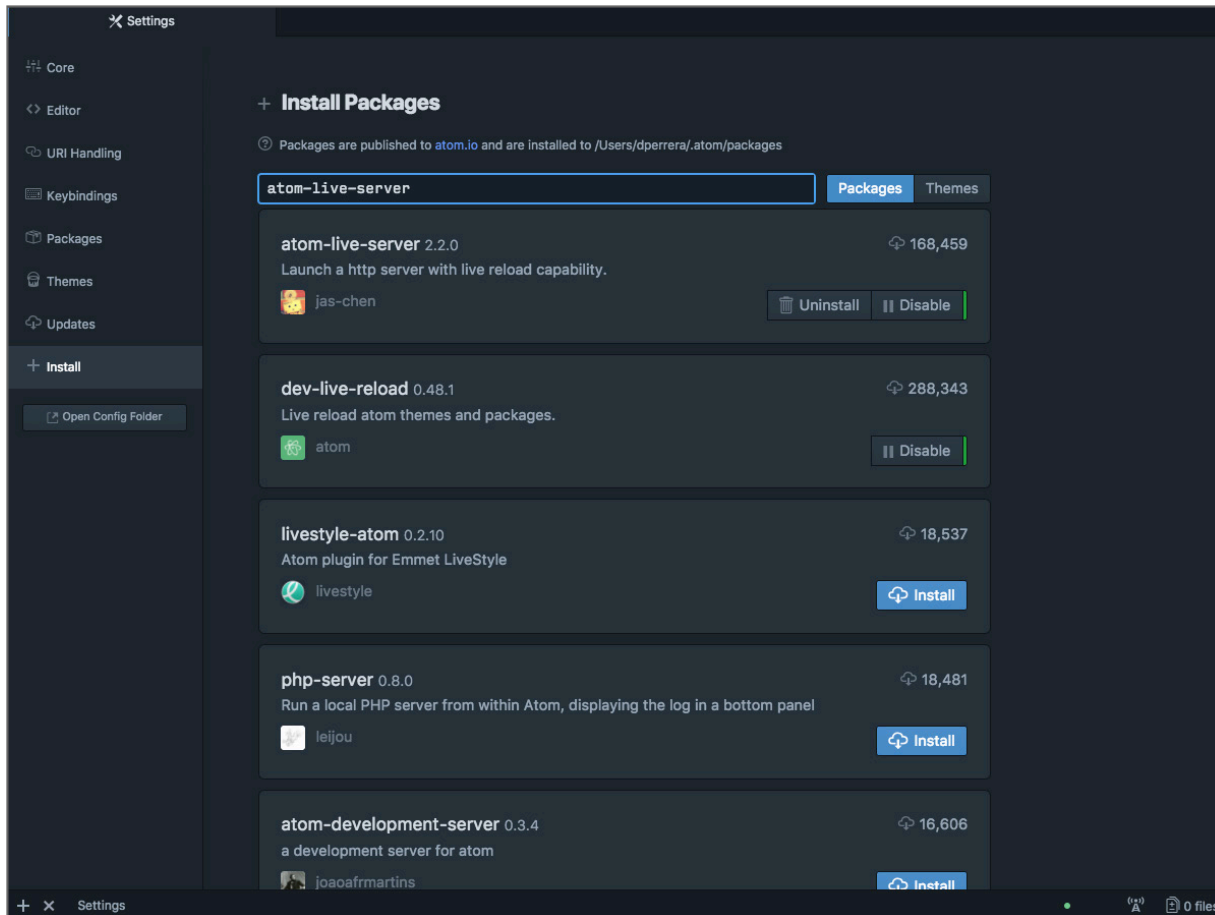
Customize the Styling

Hack on the Init Script

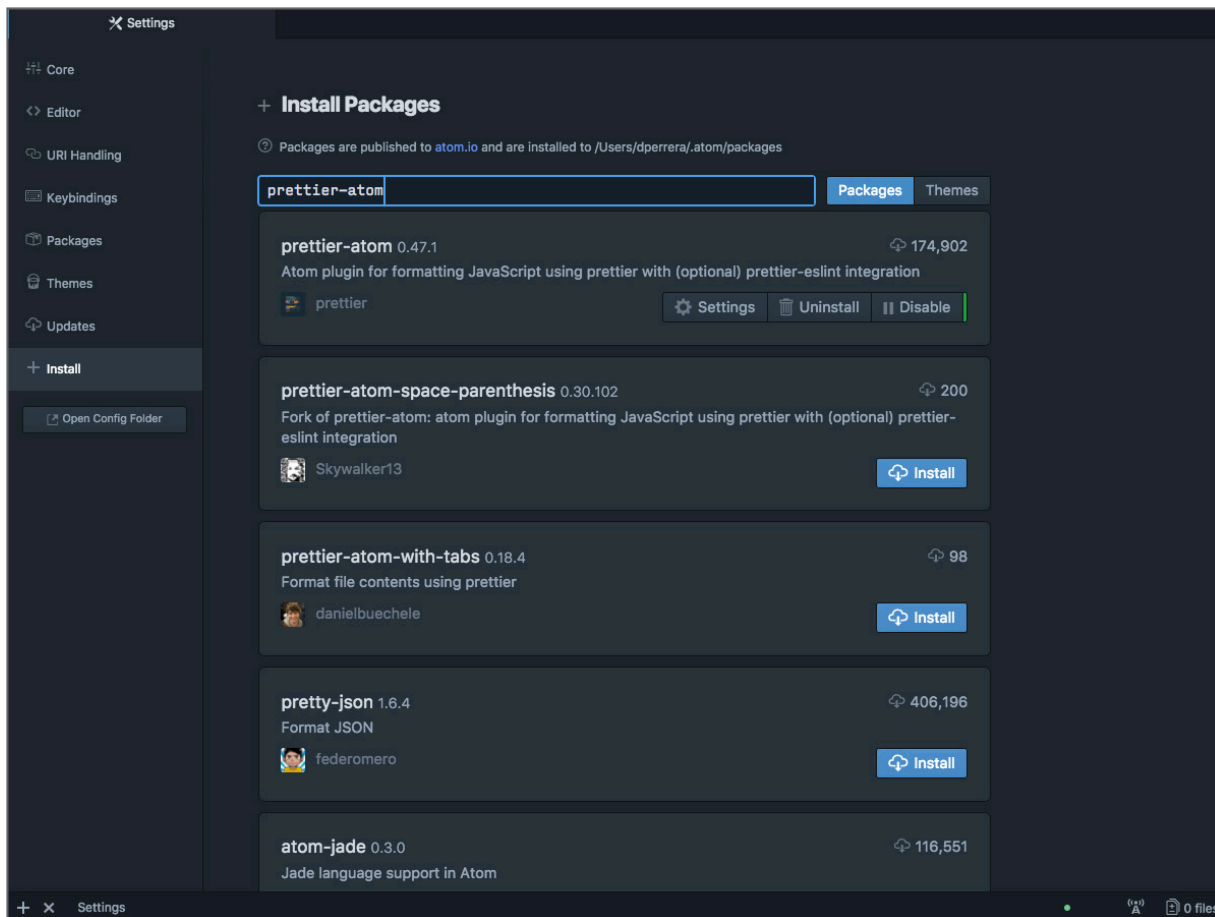
Add a Snippet

Learn Keyboard Shortcuts

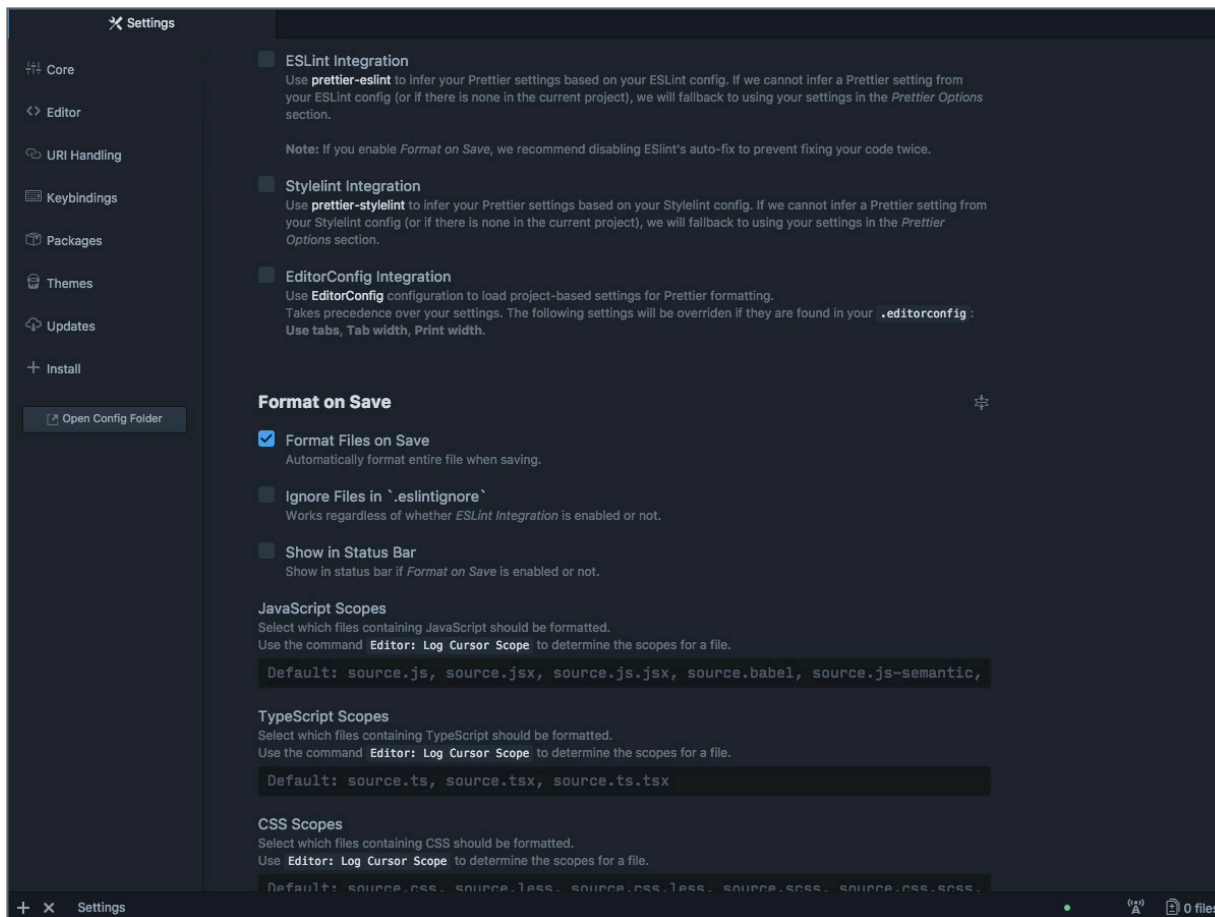
Install atom-live-server



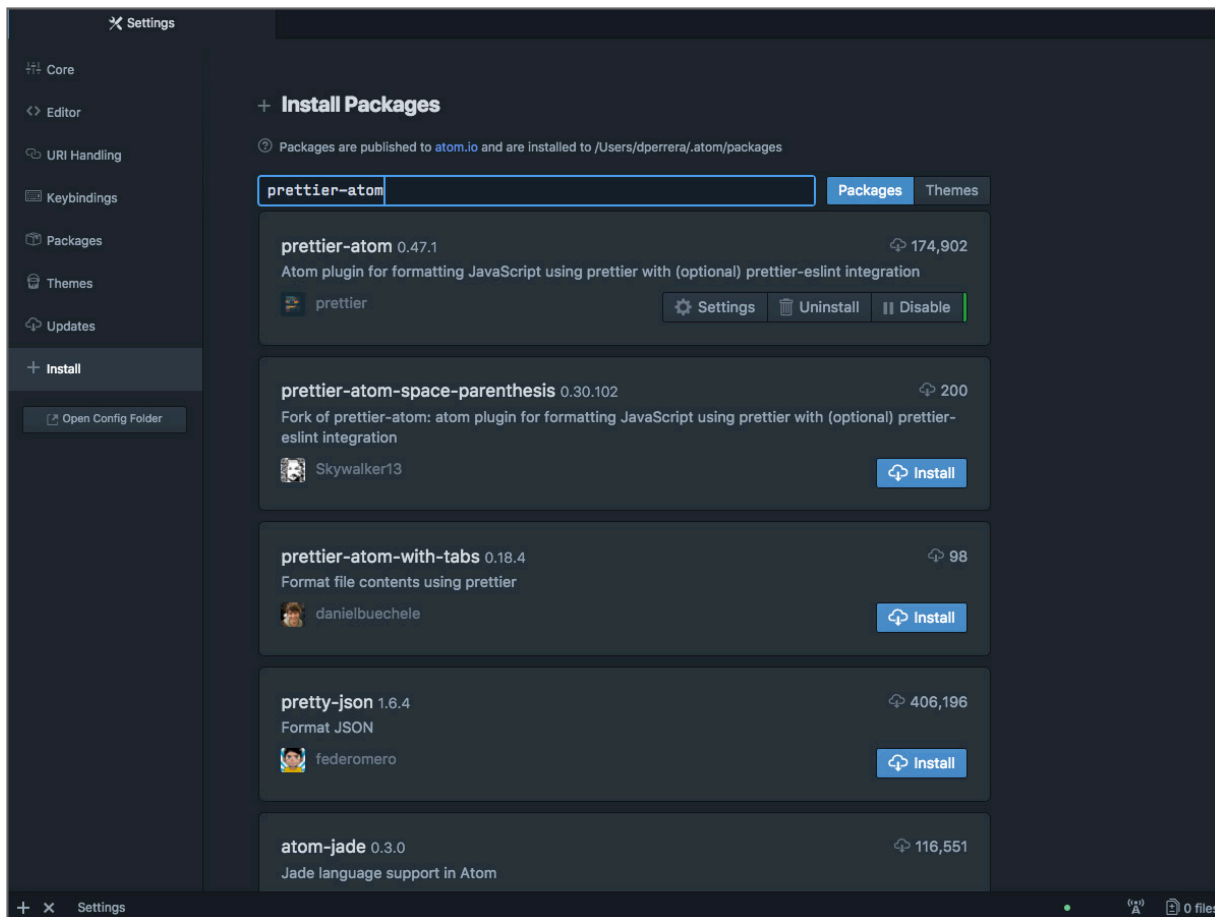
Install prettier-atom



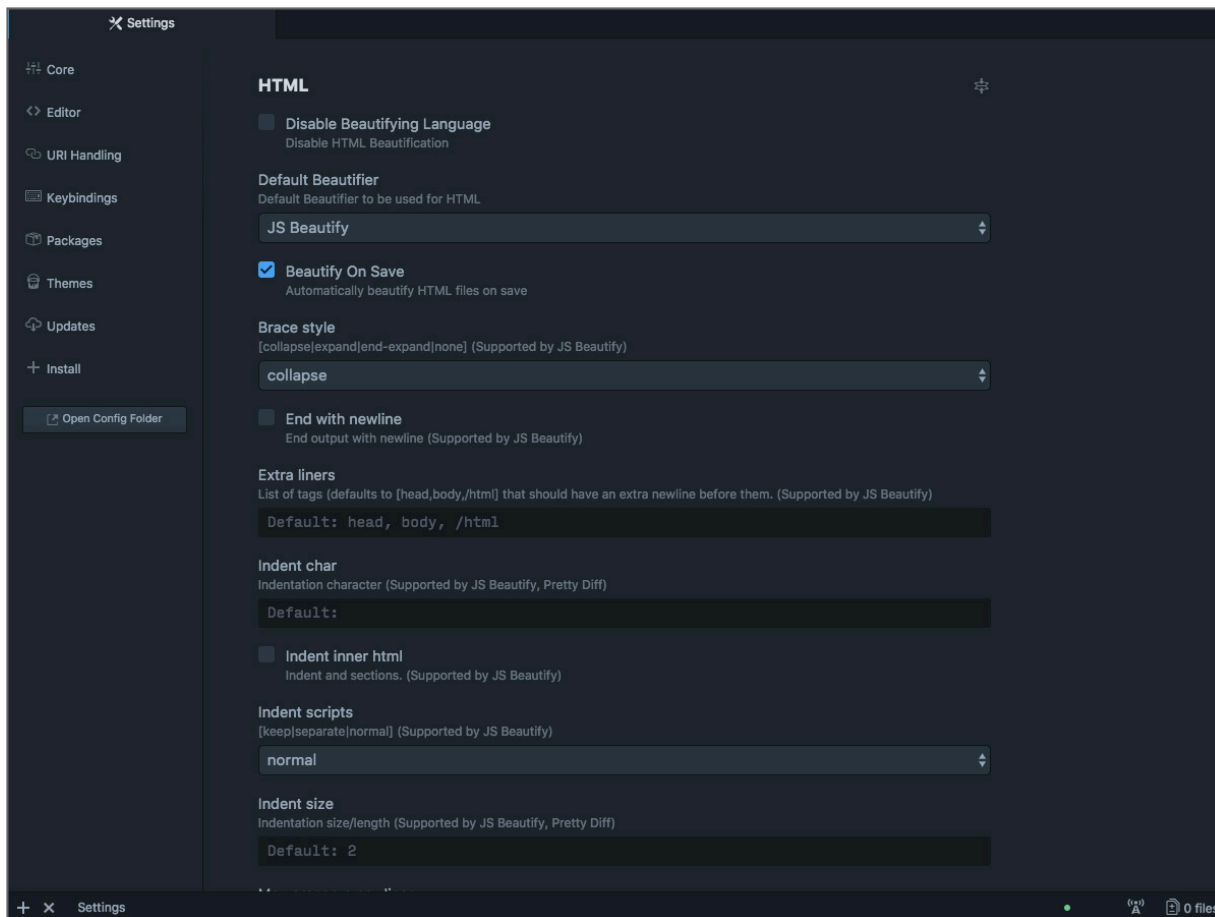
Enable “Format on Save” in prettier-atom



Install atom-beautify



Enable “Beautify on Save” under HTML in atom-beautify



Intro to HTML

What is HTML?

- “**H**yper **T**ext **M**arkup **L**anguage”
- Text outline for your web page
- Structure is described with “elements”
- Files end in “.html”

- 1. Open Atom and Firefox.**
- 2. In Atom, make a new file called 'index.html' and save it to your desktop.**
- 3. Start a live server.**

Packages > atom-live Server > Start Server

HTML Elements

Opening Tag



Closing Tag



`<p>Hello World</p>`



Content



HTML Element

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

```
<p>Hello world!</p>
```

Unordered Lists


```
<ul>  
  <li>Flour</li>  
  <li>Water</li>  
  <li>Salt</li>  
</ul>
```

Unordered Lists

```
<ol>  
  <li>Measure ingredients</li>  
  <li>Mix together</li>  
  <li>Bake for 1 hour</li>  
</ol>
```

Links

Also known as the “anchor” tag.



A diagram showing an HTML anchor tag. A horizontal line with vertical end caps is positioned above the opening tag. The word "Attribute" is centered above this line. Below the line, the HTML code is displayed: `BU`. The opening tag `` is highlighted in cyan, and the text `BU` is in white.

```
<a href="https://bu.edu">BU</a>
```

Images

Requires at least the “src” attribute.

Attributes

```

```

Comments

Use comments to leave notes to yourself and organize your document.

```
<!-- This won't show up in the browser -->
```

Nesting HTML Elements

Elements are either “block elements” or “inline elements.”

```
<p>  
  I'm sitting in <a href="http://ar589.github.io">  
  Interactive Design</a> and I'm using these tools:  
</p>
```

```
<ul>  
  <li>Atom</li>  
  <li>Firefox</li>  
</ul>
```


A Basic HTML Page

html

- head**

- body**

- your content**

```
1  <!-- Hey Browser, this is an HTML Document. Get ready for it! -->
2  <!DOCTYPE html>
3
4  <!-- The document starts here. -->
5  <html>
6
7  <!-- Browser, don't show this to the user but you need to know a couple of things first. -->
8
9  <head>
10     <meta charset="utf-8">
11     <title>My Document</title>
12 </head>
13
14 <!-- OK! Show this to the user. -->
15
16 <body>
17     <p>I'm sitting in <a href="http://ar589.github.io">Interactive Design</a>.</p>
18 </body>
19
20 <!-- All Done! -->
21
22 </html>
```

HTML File Rules

- The browser will always look for a file named index.html first.
- No spaces in your file names! Use dashes instead of spaces.
- Filenames should be all lowercase.

Resources

- developer.mozilla.org/en-US/docs/Learn/HTML
- htmlreference.io

Weekly Challenge!

Bread Recipe

Using the provided content, make an HTML page to present the bread recipe with the provided text and image.

github.com/AR589/bread-starter

