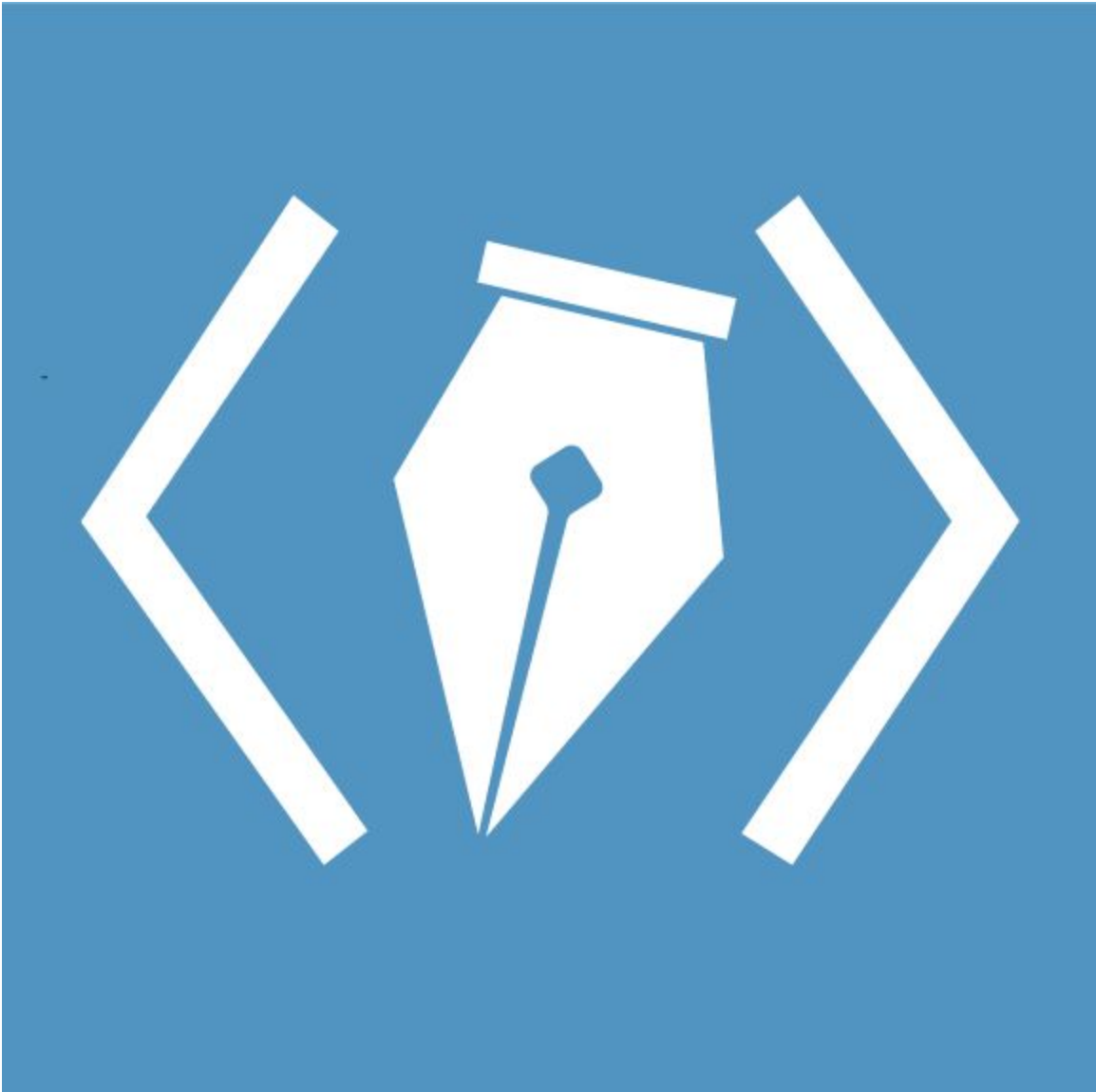


# Post-WDD Programming Resource Guide



# General

## WDD Handbook

A new and improved handbook created by WDD staff! Still in progress, but will likely serve you very well in the near future.

<http://handbook.wdd.io/>

# HTML

## Vanilla

Resources for getting more familiar with plain old HTML.

<https://developer.mozilla.org/en-US/docs/Web/HTML>

<https://websitesetup.org/html-tutorial-beginners/>

<https://internetingishard.com/>

<https://marksheet.io/>

## Mustache

Rather than tediously manipulating the DOM through JS or jQuery, we can use templating systems like Mustache to speed up development and make our code cleaner.

<http://mustache.github.io/>

<https://mustache.github.io/mustache.5.html>

<https://www.sitepoint.com/creating-html-templates-with-mustachejs/>

## Handlebars

Lightweight template for HTML based on JavaScript/Node. Allows you to quickly write HTML and elements without having to repeat yourself. Sort of an extension of Mustache.

<https://handlebarsjs.com/>

<https://www.sitepoint.com/a-beginners-guide-to-handlebars/>

## Jekyll

Not quite just for HTML, but an overall way to better structure your website and organize your code. Jekyll, which makes use of Liquid templating (based on Ruby), will allow you to split up HTML files, include the same snippets of code in multiple places without repeating code, and neatly allows you to

have multiple pages with the same layout. It is technically a “static site generator”, but can be used as a template.

<https://jekyllrb.com/>

<https://jekyllrb.com/docs/home/>

[https://www.youtube.com/watch?v=iWowJBRMtpc&ab\\_channel=Codecourse](https://www.youtube.com/watch?v=iWowJBRMtpc&ab_channel=Codecourse)

<https://github.com/jekyll/jekyll>

## CSS

### Vanilla

Resources for getting more familiar with good old CSS.

<https://css-tricks.com/>

<https://medium.com/actualize-network/modern-css-explained-for-dinosaurs-5226febe3525>

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

<https://css-tricks.com/snippets/css/complete-guide-grid/>

<https://flexboxfroggy.com/>

<http://cssgridgarden.com/>

<http://www.csszengarden.com/>

<http://www.htmldog.com/guides/css/advanced/>

<https://internetingishard.com/html-and-css/responsive-design/>

<https://internetingishard.com/>

### SASS

A much better way to write CSS. This, or some other CSS preprocessor, should probably be used for any site that goes beyond one view. This allows your CSS to have variables, mixins with arguments, be split up into multiple files, not repeated, and much more clean and maintainable. You can even have if-else statements. Why aren't you already using it? O M G.

<https://sass-lang.com/>

<https://sass-lang.com/guide>

<https://www.sassmeister.com/>

[https://sass-lang.com/documentation/file.SASS\\_REFERENCE.html](https://sass-lang.com/documentation/file.SASS_REFERENCE.html)

[https://www.youtube.com/watch?v=P1G4\\_zxOxtk&ab\\_channel=HelpPeople](https://www.youtube.com/watch?v=P1G4_zxOxtk&ab_channel=HelpPeople)

[https://www.youtube.com/watch?v=rmXVmfX3rNo&ab\\_channel=TraversyMedia](https://www.youtube.com/watch?v=rmXVmfX3rNo&ab_channel=TraversyMedia)

### LESS

Another CSS preprocessor. Less popular than SASS, but maybe you'll like it more.

<http://lesscss.org/>  
<http://lesscss.org/features/>  
<https://tutorialzine.com/2015/07/learn-less-in-10-minutes-or-less>

## JavaScript

### Vanilla - ES5

Currently, most used version of JavaScript. You might need **Babel** to compile your code to an older version as not all browsers and browser versions fully support it yet. Babel resources are included here.

<https://javascript.info/>  
<http://eloquentjavascript.net/>  
<https://developer.mozilla.org/en-US/docs/Web/JavaScript>  
<http://es6katas.org/>  
<https://babeljs.io/>  
<https://babeljs.io/docs/setup/>  
<https://babeljs.io/docs/community/videos/>  
<http://es6-features.org/#Constants>  
<https://github.com/lukehoban/es6features>  
[https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/async\\_function](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/async_function)  
<https://regexr.com/>  
<https://plainjs.com/>

### jQuery

A library that allows easier and cleaner DOM manipulation. Also included is **jQuery UI**, a quick way to get complicated UI to function. Another useful feature of jQuery is the ease with which it allows you to work with APIs and AJAX if you're into that sort of thing.

<https://jquery.com/>  
<https://jqueryui.com/>  
<https://learn.jquery.com/>  
[https://www.youtube.com/watch?v=fEYx8dQr\\_cQ&ab\\_channel=LearnCode.academy](https://www.youtube.com/watch?v=fEYx8dQr_cQ&ab_channel=LearnCode.academy)  
<http://api.jquery.com/jquery.ajax/>  
<http://try.jquery.com/>

# Frameworks

## React

React is becoming the most popular frontend JS framework right now. It is a highly in-demand skill in the industry and super fun to use. Get in on the action! **Redux** resources are included because it's cool too.

<https://reactjs.org/>

<https://reactjs.org/docs/hello-world.html>

<https://reactjs.org/tutorial/tutorial.html>

[https://www.youtube.com/watch?v=A71aqufiNtQ&ab\\_channel=TraversyMedia](https://www.youtube.com/watch?v=A71aqufiNtQ&ab_channel=TraversyMedia)

[https://www.youtube.com/watch?v=MhkGQAoc7bc&ab\\_channel=LearnCode.academy](https://www.youtube.com/watch?v=MhkGQAoc7bc&ab_channel=LearnCode.academy)

<https://redux.js.org/basics/usage-with-react>

<https://tylermcginnis.com/reactjs-tutorial-a-comprehensive-guide-to-building-apps-with-react/>

## Angular

An MVC framework that came before React, but is currently being crushed by it. Still pretty relevant in the industry and good to know though.

<https://angular.io/>

<https://angular.io/docs>

<https://docs.angularjs.org/api>

<https://thinkster.io/a-better-way-to-learn-angularjs>

[https://www.youtube.com/watch?v=KhzGSHNhnbl&ab\\_channel=TraversyMedia](https://www.youtube.com/watch?v=KhzGSHNhnbl&ab_channel=TraversyMedia)

[https://www.youtube.com/watch?v=oa9cnWTpqP8&ab\\_channel=DesignCourse](https://www.youtube.com/watch?v=oa9cnWTpqP8&ab_channel=DesignCourse)

<https://www.youtube.com/watch?v=PFP0oXNNveg>

## Vue

Another cool, popular JS framework. Pretty new, but similar to Angular.

<https://vuejs.org/>

<https://vuejs.org/v2/guide/>

[https://www.youtube.com/watch?v=z6hQqgvGI4Y&ab\\_channel=TraversyMedia](https://www.youtube.com/watch?v=z6hQqgvGI4Y&ab_channel=TraversyMedia)

[https://www.youtube.com/watch?v=78tNYZUS-ps&ab\\_channel=DesignCourse](https://www.youtube.com/watch?v=78tNYZUS-ps&ab_channel=DesignCourse)

<https://medium.com/codingthesmartway-com-blog/vue-js-2-quickstart-tutorial-2017-246195cfbdd2>

# Tools

## Grunt

JavaScript task runner, useful and simple. Used to compile SASS to CSS, minify, concatenate, or compress HTML, CSS and JS and more.

<https://gruntjs.com/>

[https://www.youtube.com/watch?v=TMKjOBxzVgw&ab\\_channel=LearnCode.academy](https://www.youtube.com/watch?v=TMKjOBxzVgw&ab_channel=LearnCode.academy)

<https://gruntjs.com/plugins>

## Gulp

Another JavaScript task runner. Currently more popular than Grunt, with more features, speed, and plugins, but also more complicated to set up.

<https://gulpjs.com/>

<https://github.com/gulpjs/gulp/blob/v3.9.1/docs/API.md>

<https://gulpjs.com/plugins/>

[https://www.youtube.com/watch?v=1rw9MfileEg&ab\\_channel=TraversyMedia](https://www.youtube.com/watch?v=1rw9MfileEg&ab_channel=TraversyMedia)

# Version Control

## Git

The most popular form of version control and the most salient in the industry.

<https://try.github.io/levels/1/challenges/1>

<https://git-scm.com/book/en/v2/Getting-Started-About-Version-Control>

<https://www.atlassian.com/git>

<https://www.atlassian.com/git/tutorials/what-is-version-control>

<https://www.git-tower.com/learn/git/ebook/en/desktop-gui/basics/what-is-version-control>

# Miscellaneous

Other things web developers use & important stuff to read!

<https://caniuse.com/>

<https://fontawesome.com/>

<https://developers.google.com/web/fundamentals/?hl=en>

<http://www.frontendhandbook.com/>

[https://search.google.com/test/mobile-friendly?utm\\_source=mft&utm\\_medium=redirect&utm\\_campaign=mft-redirect](https://search.google.com/test/mobile-friendly?utm_source=mft&utm_medium=redirect&utm_campaign=mft-redirect)

<https://developers.google.com/speed/pagespeed/insights/>

<https://medium.com/@TechMagic/reactjs-vs-angular5-vs-vue-js-what-to-choose-in-2018-b91e028fa91d>