WEB

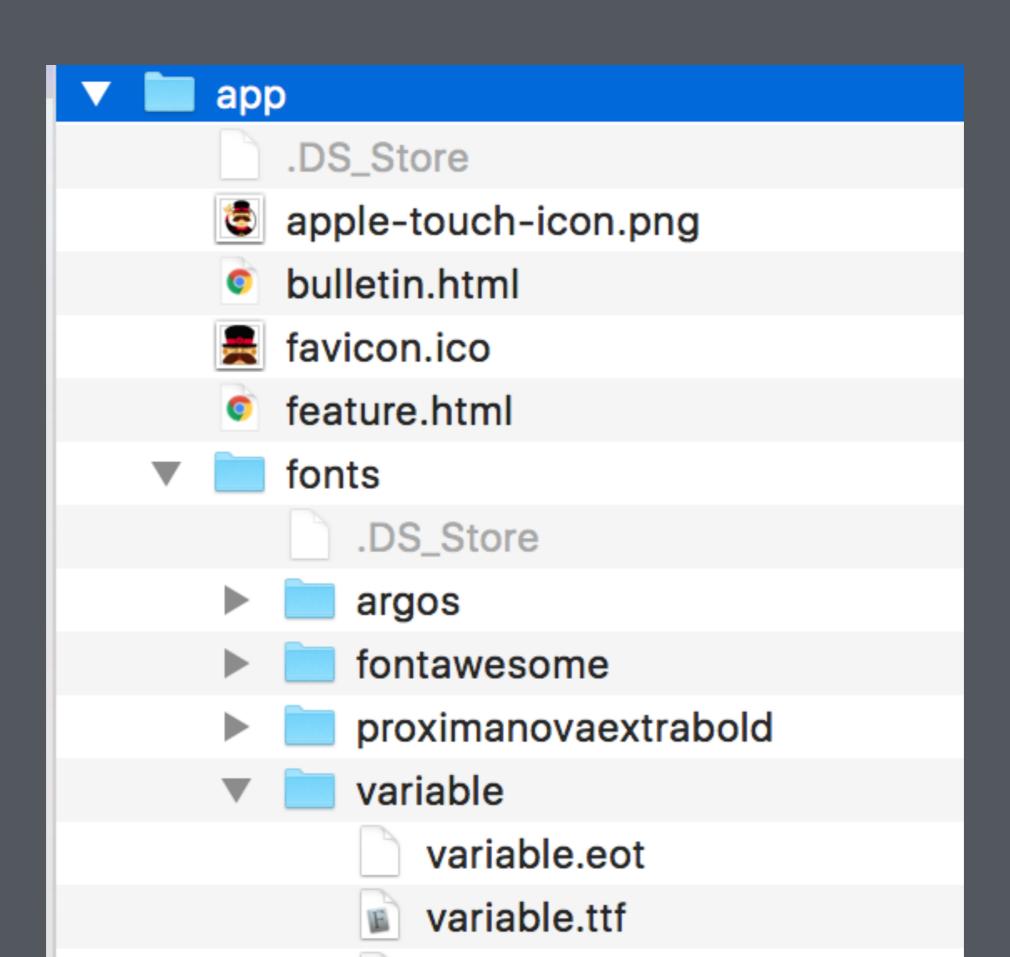
TOOLING





FILE SYSTEM BASICS

- -Files are organized in hierarchies of folders
- -Folders are organized in a modular way, with each folder representing a group of files with a similar purpose.
- -The lowest level of a file hierarchy is called the root.
- -System and user files are separated on computers. You should only deal with the user files.

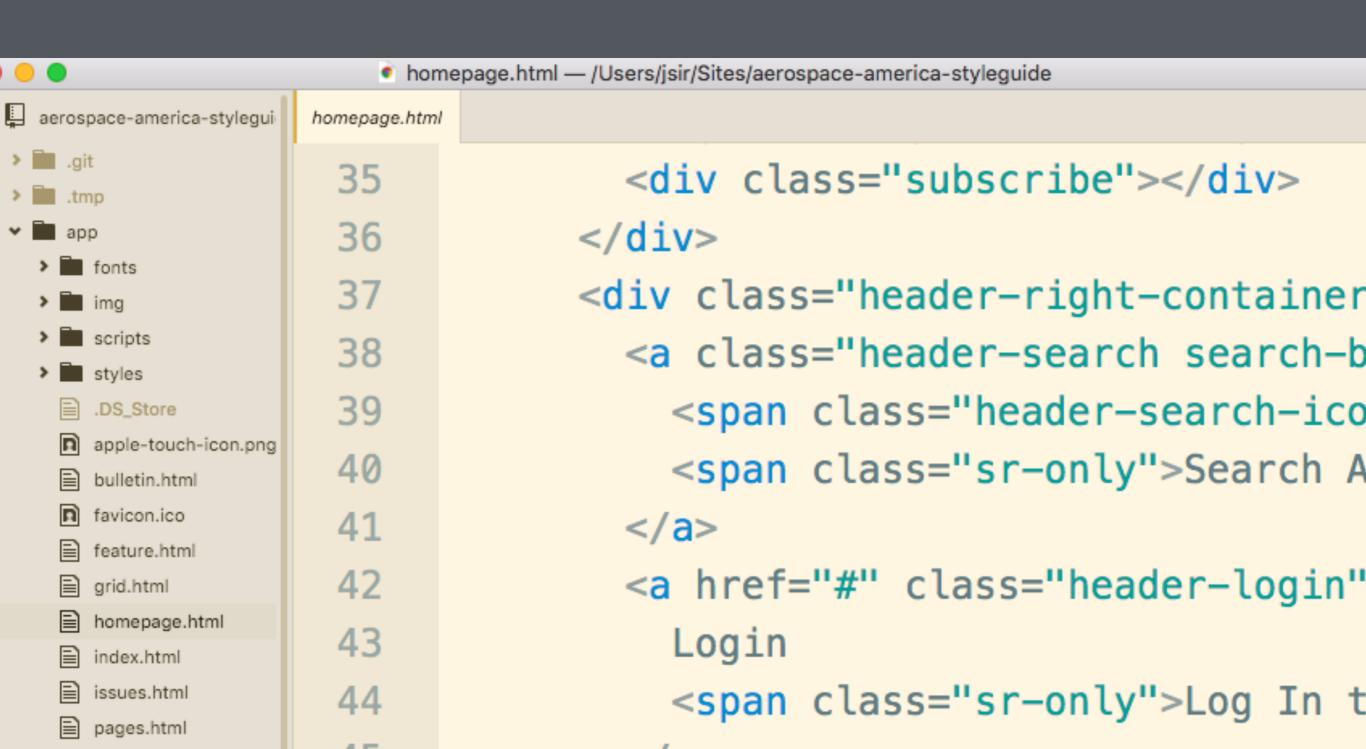


LET'S EXPLORE OUR COMPUTERS

Open up Finder on Macs or Windows File Explorer on PCs

- -Setup sidebar and toolbars
- -Create a sites area on your computer
- -Tweak system settings to create productive workspace (Spaces, Dock, Hot Corners, Side-by-side windows)

TEXT EDITORS



TEXT EDITOR FACTOIDS

- -They ignore all rich formatting of text but highlight text based on the programming language you are using.
- -They use no native file endings, you have to know the file extensions to save your files with (for our class: .html, .css. and .js)
- -Close cousins to IDE (integrated development environments). Text editors are good for front-end developers, most back-end developers use an IDE. If you want to get WAY into JS: https://www.jetbrains.com/webstorm/

TEXT EDITOR OPTIONS

- -The two best are Sublime Text (https://
 www.sublimetext.com/) and Atom (https://atom.io/)
- -Very similar tools both show project files, highlight text, use modular plugin framework to be updated and have powerful find and replace
- -Biggest difference Atom tracks Git changes live in your file system.

LET'S LOOK AT OUR TEXT EDITORS

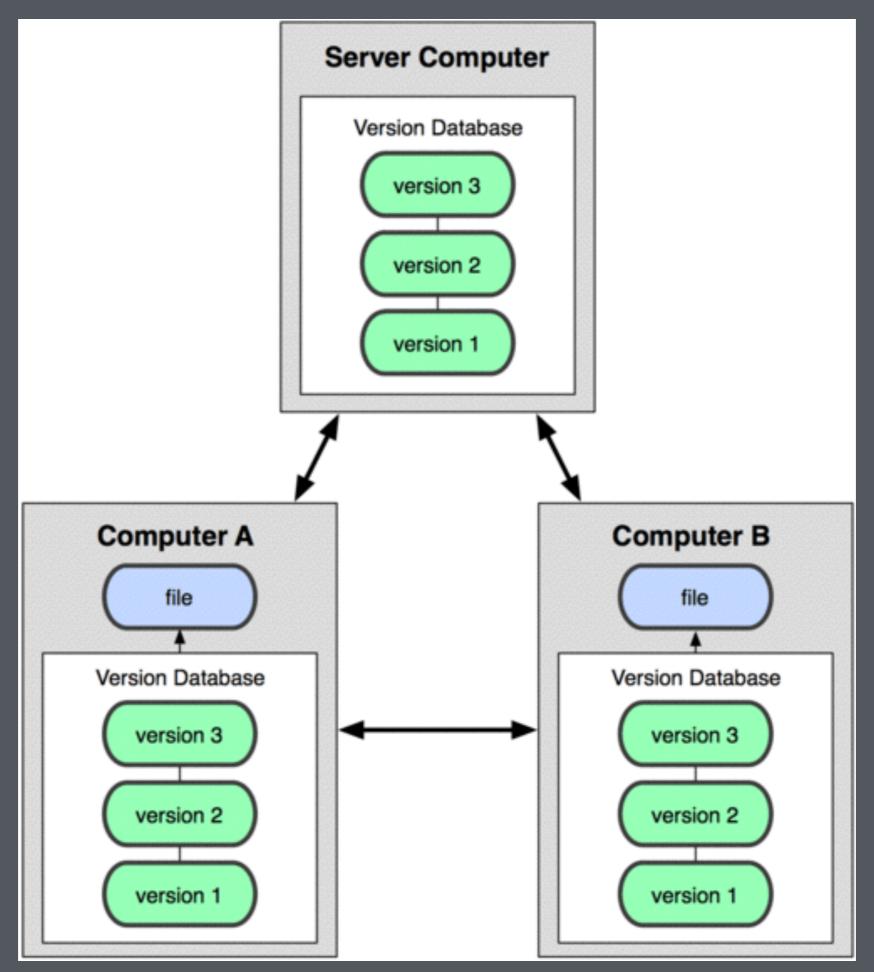
Open up your program

- -Pick a theme
- -Install a package
- -Learn features (code folding, multicursors, split screen, git status, find and replace)



WHAT IS GIT?

- -A database for all your code (called version control)
- -It's a particular kind of version control distributed version control. That means multiple people can make edits to the same codebase at the same time.
- -Hard concept to wrap your head around see diagram



GIT REVIEW

- -Git clone will copy a repository
- -Git branch gives you a space to make changes
- -Git commit saves your changes to your branch
- -Git merge combines your changes with original code
- -Sync pulls changes down from github
- -Pull request sends your changes to github

HOW TO WORK WITH FILES

- -Clone a repository
- -Make a branch
- -Stage / commit files to new branch
- -Push / pull changes to repository

CODEALONG - LESSON 2

Clone from github

Make a new branch

Stage / commit changes to local repository

Push changes back to github