GitHub

* What it is (link to github.com/about)
  + GitHub is a web based repository hosting service made for developers employing Git for version control. It provides access control and hosting services to allow for developers to share, learn, and host their own content for the world to see. In addition to hosting version control repositories, developers can use GitHub to track bugs, feature requests, and manage tasks. Developers can create public or private repositories in an effort to either host proprietorial content, or share open-source project with the public.
* What is Git? (link to git.com)
  + Git itself is a version control software. Developers are constantly fixing bugs and implementing features to whatever web-based application (or SPA) they develop. Because you never want to lose track of your progress, it’s important to have snapshots of your project at every step of the way. Git allows developers to host the source code of each version of their project along the way.
* Version Control (<https://betterexplained.com/articles/a-visual-guide-to-version-control/>)
  + Version control allows you to track your files over time. This may seem unnecessary at first glance, but let’s take a look at some reasons why you may want to do so (ul)
    - Back up and restore previous versions if something goes wrong
    - Allow users to stay up to date
    - Track changes and prove progress along the way
    - Allow for sandboxing (creating multiple environments for testing new implementations)
    - Branch and merge
      * If you have a large project, you’ll want to branch off for new implementations to play with new code to be merged into your main project down the road.
      * Implement major changes in small chunks to allow yourself to work out the kinks along the way
* Learn (https://github.com/explore)
  + Arguably the strongest feature of GitHub is providing a social network for developers. If you’re looking to implement a new feature, you’re best served finding out if someone has already done what you’re trying to do. There’s no reason to re-invent the wheel, especially if it will save you a lot of development time. Use someone else’s library to help you achieve a common goal.