Phase 1 Pipeline Status

Summary:
At this point our pipeline flow is relatively simple. The user first pushes code to a staging branch in GitHub and opens a pull request. This triggers automated unit testing with Jest. If the tests pass, then someone reviews the pull request. If everything looks good, the reviewer merges the changes into either the main branch or a separate production branch (we haven't decided yet). Then the changes are automatically deployed with GitHub Pages.

Details:
linting and code style enforcement (may happen in pipeline and/or in editor)
We explored using ESLint and decided to do linting locally, before pushing to GitHub. We will resolve all warnings and errors before pushing to the remote branch, so this will happen in-editor instead of automating in a workflow on GitHub.

code quality via tool (ex. Codeclimate, Codacy, etc.)
We looked into using code quality tools, but we ran into trouble setting up our repo with codeclimate and other tools. Most tools require private repos to be owned by an organization, but our repo is owned by an individual account. We will continue looking for a solution, but we weren't able to get it working during this phase.

code quality via human review (ex. Pull Requests)
We played around with GitHub Actions to automatically open a pull request anytime someone pushes to the repo. Although we got this to work, we are leaving pull requests as a manual step for the sake of simplifying the workflow

unit tests via automation (ex. Jest, Tape, Ava, Cypress, Mocha/Chai, etc.)*
We explored using Jest for unit testing. We have Jest in our pipeline to automatically run when a pull request is opened. We will need to write tests once we have a planned structure for the code.

documentation generation via automation (ex. JSDocs)
We began learning about how to use JSDocs, but we aren't ready to add it to the pipeline yet.