

The CI/ CD Pipeline will allow us to automate our workflow and avoid further errors when many programmers are frequently committing code to a shared repository.

Linters

The super linter allows linting to occur in Github Actions as part of CI occurring on pull requests as the commits get pushed. The super linter currently works, and when called it will automatically run through the code and report errors if any exists.

Code Quality: Codacy

For Codacy in our workflow, it should automate code reviews and monitor code quality for every commit and pull request. It will report back the impact of every commit or pull request, any issues relating to code style, best practices, etc. The code quality control automation currently works. We have tested the file, and Codacy will be able to detect errors if any exists.

Pull Requests

For pull requests, settings were changed so for every pull request, it will manually need someone with access to review/ approve pull requests before any merge to main. It will allow for another pair of eyes to review, so nothing faulty is merged to main.

Unit Tests: Jest Test

Our unit test automation currently works. Jest Test will continuously run on every push to the branch, and look for files with “test.js” to run. Inside the tester file, it will dig into the file it’s testing. If any files fail, then a big red x will appear.

Documentation Generation: JSDocs

The documentation generation currently does work, but there was a problem due to the main branch being protected and gave this error (Protected branch update failed for refs/heads/main). Because the main branch is protected, every change pushed to the main will require a person to manually review before it's accepted. JSDocs currently runs on every branch excluding master. When the correct syntax is given, JSDocs will neatly create a document that organizes the given information.