

Automated Testing/Jest Research

Jest

- Jest is a unit testing framework tool that works with javascript, react, and node js.
- Open source & free to use
- Relatively simple syntax/Easy to use

Helpful introduction video to jest: https://www.youtube.com/watch?v=__QEPUdnJS0

- The video walks you through how to set up a local jest environment & write simple test cases. It's somewhat lengthy but does a good job of condensing information you need to know.

Additionally the jest documentation can be found here

- <https://jestjs.io/docs/getting-started>
- The documentation does a good job of teaching the language as well & is fairly easy to follow if you prefer it over the video tutorial.
- You will need npm or yarn set up to use jest (which is used with node.js).

Azure Pipeline Integration

A helpful guide on how to integrate jest into Azure Pipeline:

<https://blog.johnnyreilly.com/2020/12/30/azure-pipelines-meet-jest/>

- Ideally after following this guide our tests will automatically run before any changes to the repo are pushed.
- Bruce and I (Joey) are planning to implement this in sprint 2.