GitHub API Overview - https://developer.github.com/v3/

GitHub API access - https://api.github.com

Testing Concerns

1. API Size – The size of the API in question would take a fair amount of work, just creating a detailed test plan would take quite a bit of time. The scripts to test the endpoints would also take some time.
2. Users/Authentication – There are many different types of users/organizations/repositories that all require different authentication and setups. It would take more time to learn about all of these, and setup useful users and use cases for these.
3. Me – My familiarity with GitHub while much better after these exercises is still fairly low. I would still have to learn a lot before I was able to test this API full bore. Having said that, I think I’ve made a good start in the last week or so.

Biggest concern – How long it would take me to finish learning all of the in and outs, and how long to setup the new users/orgs/repos and test cases to get into the detailed testing.