Quality/Testing Case Study

Selenium/Frontend Test

1. Using Selenium and any language you are comfortable with create a frontend test using WebDriver.  The tests should run on multiple browsers (i.e. at least Chrome and Firefox).
   1. Test this page: <https://www.selenium.dev/documentation/>
   2. Ensure there is an <h1> header that has the text: “The Selenium Browser Automation Project”
   3. Check all links on this page to make sure they resolve.  You do not need to go any deeper than ensuring the link returns a proper response.

Postman/API Test

1. Unauthenticated Test
   1. Test that gets user jshinevar and validates bio equals “This is a test BIO”

                                                               i.      <https://docs.github.com/en/rest/reference/users>

1. Authenticated Tests
   1. Parameterized test that authenticates and gets a token for use in the following tests and allows for a parameterized repository name to be passed in:

                                                               i.      Create a Repository {parameterized name}

* + - 1. <https://docs.github.com/en/rest/reference/repos#create-a-repository-for-the-authenticated-user>

                                                             ii.      Create an Issue for Repository {parameterized name}

* + - 1. <https://docs.github.com/en/rest/reference/issues#create-an-issue>

                                                           iii.      Delete Repository {parameterized name}

* + - 1. <https://docs.github.com/en/rest/reference/repos#delete-a-repository>