**Code Exam**

**General**

* Include a readme with instructions on how to install and run your tests
* Submit your code to a public GitHub repo or similar
* You can choose to either do UI Automation or API Automation, or you can do both to highlight your skillset
* **Bonus points for**:
  + Utilize webdriver.io (UI)
  + Utilize Cucumber
  + Utilize a linter
  + Run more than one test in parallel
  + Run tests both with a head and headless (UI)
  + Create Docker image to run tests in
  + Setup a pipeline using Gitlab to run your tests

**UI Automation**

* Using preferred language, write UI automation against [www.saucedemo.com](http://www.saucedemo.com/)
  + Workflow:
    - Log into the site
    - Sort the items (Lowest Price sort)
    - Add two or more items to the shopping cart
    - Visit the shopping cart
      * Assert that the items that you added are in the cart
    - Remove an item and then continue shopping
    - Add another item
    - Checkout
      * Assert you are purchasing the correct items
      * Assert the total price
      * Finish checkout
  + What we are going to look at:
    - Does the code function properly and follow the workflow
    - How are you selecting elements
    - How are you waiting for elements to load
    - Error Handling (Assertions, Logging, etc.)
    - Code structure and design
      * How modular is your code
      * Neatness counts

**API Automation**

* Using preferred language, write API test automation against [jsonplaceholder.typicode.com](https://jsonplaceholder.typicode.com/)
  + This is a free API for anyone to use
  + Requirements:
    - Make GET, POST, PUT, and DELETE calls
    - Set headers for a request
    - Set the body for a request
    - Assert the response from a request
    - Use the response from one call in the request for another
  + What we are going to look at:
    - Are the requirements met
    - Does the code function properly
    - Are your assertions correct
    - Code structure and design
      * How modular is your code
      * Neatness counts