http://leapdev.io/email/leap-dev-logo.png

**Quality Engineering Technical Test**

This exam is a few small exercises for you to work on at home and deliver to us for review. It will help us understand how you assure quality in products. At LEAP, we expect solid skills from our Quality Engineering team so this will help us better understand where your skills lie.

**Task 1**

This task refers to this website: <https://demoqa.com/login>

Your task is to write test-cases, in descriptive language, to test the **Book Store Application** pages of the above site as thoroughly as possible. You should cover the Login, Book Store and Profile sections of this application. You can use any formalised test-case template or come up with a non-standard way of documenting the test cases.

**Hints**

* Thoroughly testing does not necessarily mean creating lots of test cases
* Think testing levels
* Efficiency is key

**Task 2**

**Web UI Automation**

This task refers to the mini Book Store website: <https://demoqa.com/books>

After reviewing the functionality on the mini Book Store website, you decide that it is possible to automate the testing. Your task is to decide on which **open source** test automation framework to use and develop automated tests to reduce manual testing efforts. Feel free to leave out the ***User Registration*** from the scope.

Keep in mind, that you are a professional Quality Engineer and you should be adhering to developing code using design pattern(s) and technique(s) to make your code & test data maintainable. You should also be developing code that ***can*** be tied to Continuous Delivery infrastructure and try to provides test results with clear and concise assertion descriptions.

We want to see your coding style and the techniques you have selected, so show us what you can do!

For both tasks, remember to push your code, test data and any other files required to an online repository so we, at LEAP Dev, can download, review, and execute your code that you have spent time creating. If you have used a test tool, work out a way to export the tests to the repository and make sure to provide enough information about how the tests can be executed.

Please ensure to include the repository’s URL and provide proper permissions so that we can access it.