**Test URL** : <https://www.saucedemo.com/>

**Test cases**

1. Login to the application with username and password
2. On home page select the product dropdown ‘Price High to Low’

**Framework design**

1. Created maven project
2. Created base and utility functions
3. Organized page objects
4. Created the above 2 tests
5. TestNG framework
6. Log4j for logging inside the framework
7. Extend HTML report for test results

**Run the code:**

1. Run the TestNG.xml file

Or

Maven command

Example for chrome browser : mvn test -Dbrowser=chrome

**Code explanation**

1. Under main folder -> resources

* data.properties file -> For initializing Browser and URL
* Base.java -> Initializing web driver, writing block of code for browser specific execution, Initializing screenshot functionality for TestNg listeners
* ExtendReporterNG.java -> for Html reports
* Log4j2.xml -> For printing the logs

1. Under main folder -> pageobjects

* Page object files for the two test cases (Login and Dropdown selection)

1. Under test folder -> testcases

* Loginpage -> test case for logging in to application using TestNG dataprovider
* ProductDropdown -> test case to select dropdown and one from the list
* Listeners -> TestNG listeners implementation. But have not integrated with the current test.

1. POM.xml -> To add builds, plugins, dependencies etc.
2. Testng.xml -> To define the test suites and test cases