**PHASE 5**

**AUTOMATE THE WEB APPLICATION**

**Project Objective:**

To use the website link given and automate different functionalities for the same. To create a new project and include all the dependencies in the class path. To create a Java class that will contain automation and test scripts. Finally, to run the project using TestNG.

**Tools used:**

1. Spring Tool Suite
2. Java: A programming language to develop the prototype
3. Git: To connect and push files from the local system to GitHub
4. GitHub: To store the application code and track its versions
5. Maven: To manage the project dependencies
6. TestNG
7. Selenium WebDriver

**Website used for testing:**

[**http://automationpractice.com/index.php**](http://automationpractice.com/index.php)

**How to run the program:**

1. The folder named Phase 5 contains a runnable JAR file named SeleniumTestNG. To directly see the automation test, double-click and it’ll run.
2. There are 3 separate tests for Registration, Login and Search+AddToCart features.
3. The tests are run in separate browsers.
4. There’s default information entered to be tested. However if you wish to make changes, it can be done in testing.xml for email and password. Since email is uniquely identified for account creation, rest info even if same will do. Remember to make email changes in registration and login tests. Search and add to cart doesn’t need login, unless proceeded for checkout, which is beyond the scope of this project.
5. Once all 3 tests are completed, a folder named test-output is generated in the same folder where the jar file is located. In that, there are two files named index.html and emaiable-report.html which contains info about test like, test name, time taken, etc. It can be viewed directly in the browser by clicking on it.
6. To see the console outputs, run the jar file through cmd.

**Links for the project:**

1. For Project Executable File:
2. For Project Source Code:
3. Images of execution: