Prerequisite

- 1. Programming Language: Java 1.8 or above.
- 2. Build Management: Maven 3.6.1
- 3. IDE
- IntelliJ IDEA (Community) In the terminal run mvn idea:idea to create project files or just open pom.xml file as a project
- Eclipse In the terminal run mvn eclipse:eclipse to create project files the open the project

Frameworks:

- 1. Cucumber (BDD)
- 2. Selenium WebDriver (Chrome [windows & mac])
- 3. JUnit (Unit Testing)

Design:

- BDD Scenarios, Data Tables, Scenario Outline, Examples
- Pages Page Factory Pattern, Page Objects
- Parallel Execution "maven-surefire-plugin and JUnit (4 threads)".
- State Management Dependency Injection (DI) with PicoContainer.
- Utilities Lombok and log4j for logger management

Reports:

- 1. Default target/cucumber-html-reports/default.html (Single page and emailable)
- 2. MasterThought target/cucumber-html-reports/feature-overview.html (Pretty formatted for hosting)
- 3. JSON target/cucumber-html-reports/json/cucumber.json (Further report generation)
- 4. Timeline target/cucumber-html-reports/timeline/index.html (measure scenario execution times)
- 5. Logs target/logs/main.log and scenario-based logs (analyse runtime failures and progress)

Test Execution:

• In a terminal navigate to project root directory and run mvn clean test