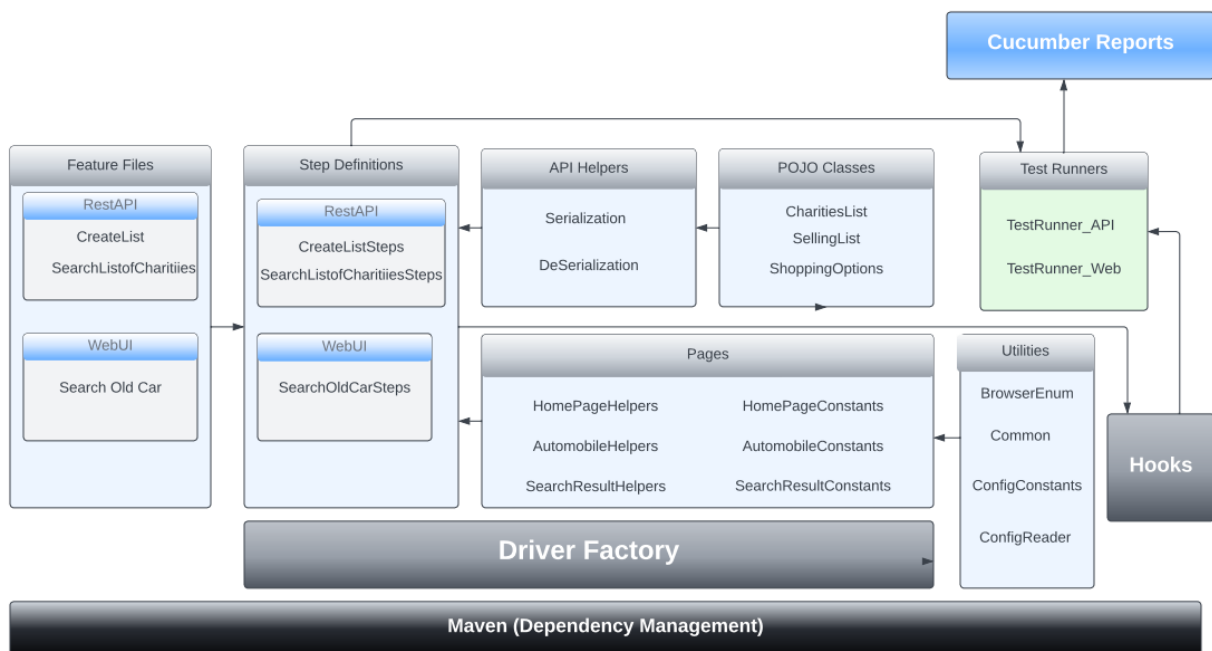# Table of Contents

1.0 Getting Started

To Complete Automation assignment for Web and Rest API Automation, Following technologies, tools and processes are considered

- Programming Language : Java
- Dependency Management : Maven
- Test Approach : Behavior Driven Development
- Web Automation: Selenium
- API Automation: RestAssured
- Reports: Cucumber Reports

2.0 Framework Architecture

Following diagram depicts a Framework architecture used for given assignment

3.0 Dependencies and Plugins

Following dependencies and plugins were used in the framework

Dependencies	
Name	Version
Junit	4.13.1
Selenium-java	3.141.59
Cucumber-java	6.9.0
Cucumber -junit	6.9.0
webdrivermanager	5.1.0
restassured	5.0.1
hamcrest	2.2
Jackson-databind	2.13.2.2
Scribejava-apis	2.5.3

Plugins	
Name	Version
Maven-compiler-plugins	3.10.1
maven-surefire-plugin	3.0.0-M6
maven-resources-plugin	3.1.0

4.0 Reporting

Since there were no explicit requirements of Reporting for Assignment, therefore, Cucumber Reports are used to display results for Test Execution of both API and Web Automation scripts. Link to cucumber reports will be provided in Test results.

5.0 Executing Test Automation Scripts

5.1 Environment Prerequisites
Before starting the execution of script, please ensure, that environment is configured with

- Java 1.8
- Maven

For this assignment, Java version 1.8 and Maven version 3.8.1 is used.

5.2   Getting Code from GitHub

Clone project from following URL

https://github.com/SaadHamid11/TestRepository.git

5.3   Executing Scripts from Command Line

5.3.1 Running API and Web Scripts

Type following commands in command line

- mvn clean
- mvn compile
- mvn test

Or write a single command to compile and run both API and Web tests

- mvn compile verify

5.3.2 Running API Only Scripts
Type following command in command line to run API Only tests

- mvn clean
- mvn compile
- mvn test -Dcucumber.filter.tags="@APITest"

5.3.3 Running Web Only Scripts
Type following command in command line to run Web Only tests

- mvn clean
- mvn compile
- mvn test -Dcucumber.filter.tags="@WebTest"