**Java version: java 14.0.2**

**Build tool: Maven**

**IDE: Intellij**

**Android studio: 4.0.1**

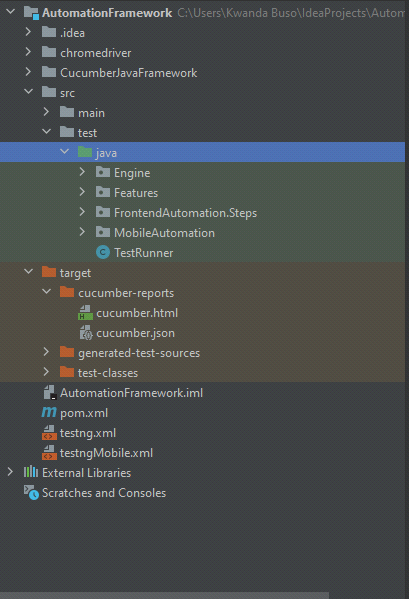
**Idea behind the framework**

I am using cucumber, testng and java in my solution. I am using cucumber so that I implement Gherkin for people who are not technical to understand the test cases without having to go through the code, they can just ready the feature files to understand what the test is doing. the main idea behind the framework is code reuse where-ever possible and make it easy to debug by writing the code in separate class files. Test data is stored in an external text file, to make it easy to access and change based on the tests you want to perform.

**Folder structure**

Engine: all the framework related helper code is stored inside this folder.

FrontendAutomation: storage for feature files and step definition classes for frontend automation.

MobileAutomation: storage for feature files and step definition classes for mobile automation.Cucumber-reports: contains the report HTML file 

**Important files**

**Function library**: handles all the methods to perform any actions on the elements, things like enterTextbyXpath, clickElementByXpath, clickElementByname, selectFromDropdownByID.

**Page elements**: this class handles all your page objects(elements

**Steps to follow before running the tests**

***Step 1:*** [***Install the Java Development Kit (JDK)***](https://toolsqa.com/mobile-automation/appium/install-the-java-development-kit-jdk/)

***Step 2:*** [***Set Up Java Environment Variable Path***](https://toolsqa.com/mobile-automation/appium/set-up-java-environment-variable-path/)

***Step 3:*** [***Install Android SDK / ADB on Windows***](https://toolsqa.com/mobile-automation/appium/install-android-sdk-adb-on-windows/)

***Step 4:*** [***Install Android SDK Packages***](https://toolsqa.com/mobile-automation/appium/install-android-sdk-packages/)

***Step 5:*** [***Set up Android Environment Variable***](https://toolsqa.com/mobile-automation/appium/set-up-android-environment-path/)

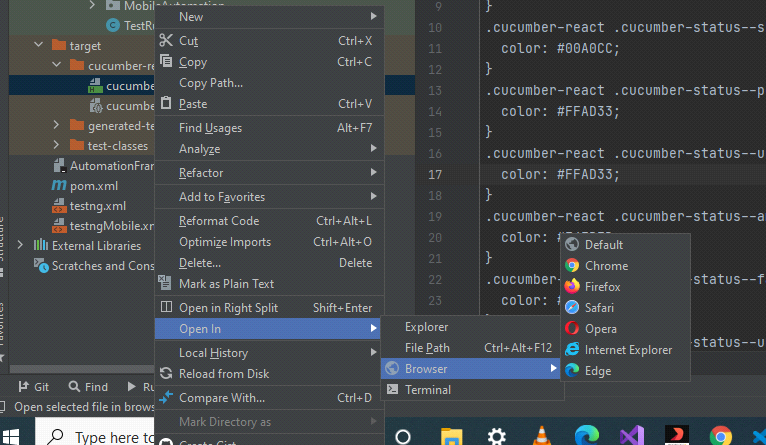
**maven home:** https://www.tutorialspoint.com/maven/maven\_environment\_setup.htm

**How to Run web Tests:**

* Open the solution using intellij
* Go to solution explorer
* Locate a file named **testng.xml**
* Right click on that file and select Run

**Viewing reports**

* Right click on **cucumber.html**
* Click **Open in**
* Click **Browser**
* Select a browser of your choice



**How to Run Mobile Tests:**

* Start an android Emulator
* Drog and drop the UAMPMusicPlayerApp.apk file into your emulator
* Start Appium
* Open the solution using intellij
* Go to solution explorer
* Locate a file named **testngMobile.xml**
* Right click on that file and select Run

**Viewing reports**

* Right click on **cucumber.html**
* Click **Open in**
* Click **Browser**
* Select a browser of your choice

