**Objective: RBS – Mobile Automation Exercise for OI Shopping List**

**Test Framework details:**

1. Editor used: Eclipse IDE.

2. POM.xml - File manages the dependencies required to run the project.

3. Cucumber - The popular BDD test framework used to write the features files as per the defined scenarios. Framework contains three feature files

* AddList.feature
* Delete.feature
* Sorting.feature

4.Package : app : It contains the app APK build against which tests would be executed.

5.Package : config - It contains three files config.properties through which we can choose the device type.

6. ObjectRepository(r\src\main\java\objectRepository): - All the required page elements are captured in individual files using the available locator strategy.

7. stepDefinitions (\src\test\java\testRunner\apptest).: It should contain all the stepDefinitions for android features.

8. Re usable Java code for common app functions(\src\main\java\reuseableData) : all the required common code maintained in spate individual Java classes as part the common Library.

9. BaseClass.java(\src\test\java\testRunner) : Defines the required device desired capabilities and the driver details to execute the application.

10. AppRunner.java(\src\test\java\testRunner) : This will interlink between feature files created and step definition classes..

**Further Improvements:**

* The framework can be improved by integrating saucelabs/browserstack tools for wider combinations of operating systems, browsers, and devices to test across
* Jenkins integration for frequent runs and to support CI/CD
* This framework uses simple BDD Joint and this can be improved by using framework with Serenity, Cucumber and Appium .