Manual for Automation Testing

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# Software Required

Following software are required to create the automation environment

1. Java JDK (jdk-12.0.1)
2. Android SDK
3. Node JS (6.9.0)
4. Maven (3.6.0)
5. Appium (1.12.1) – Terminal Based
6. Mobile Device – Samsung A8 with OS version 9
7. PgAdmin

# Software Installation

1. Java JDK:
   1. Download the java JDK from <https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
   2. Install the Java jdk and set the java bin path and variable (Add JAVA\_HOME = C://xxx/jdkfolder and path C://xxxx/jdk/bin)
2. Android Studio:
   1. Download Android Studio from <https://developer.android.com/studio>
   2. During the installation allow to download and install the SDK tools
   3. After installation, set the SDK tools path in environment variables
      1. ANDROID\_HOME:

C:\Users\mugazp\AppData\Local\Android\Sdk

* + 1. Path:

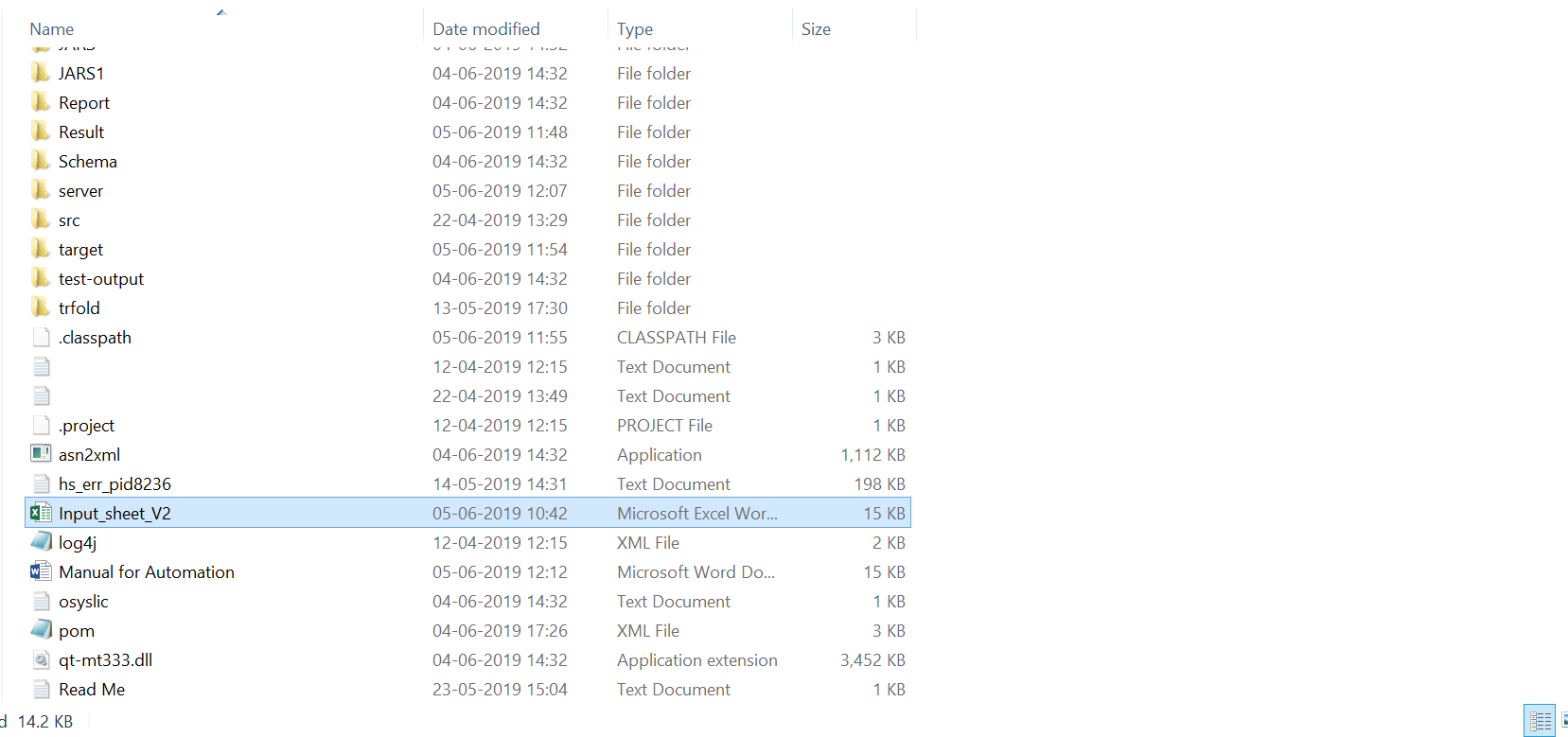
XXXX; C:\Users\mugazp\AppData\Local\Android\Sdk\tools; C:\Users\mugazp\AppData\Local\Android\Sdk\platform-tools

* 1. After the installation go to command terminal and type: “adb devices” and verify the adb server gets started

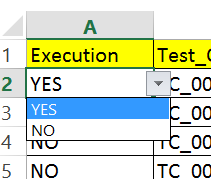
1. Node.js:
   1. Download the node js from <https://nodejs.org/en/download/>
   2. Install the node js
   3. After Installation go to command prompt and type “npm -version”
   4. Verify the installation by version shown
2. Maven:
   1. Download [apache-maven-3.6.1-bin.zip](https://www-eu.apache.org/dist/maven/maven-3/3.6.1/binaries/apache-maven-3.6.1-bin.zip) from <https://maven.apache.org/download.cgi>
   2. Extract the maven folder and copy the path until bin folder (E:\Eclipse\maven-3.6.0\bin)
   3. Set the environment variable path as (XX; E:\Eclipse\maven-3.6.0\bin;)
   4. Open command prompt and type “mvn –version”
   5. Verify the installed verison
3. Appium Terminal Based:
   1. Open the cmd terminal and type “npm install –g appium”
   2. Wait until the installation gets completes
   3. Type “appium -v” and verify the installed appium version

# Input to be configured

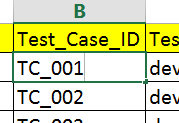
1. Download the project folder and unzip to any folder location
2. Open the project folder and open the input sheet/xmsl



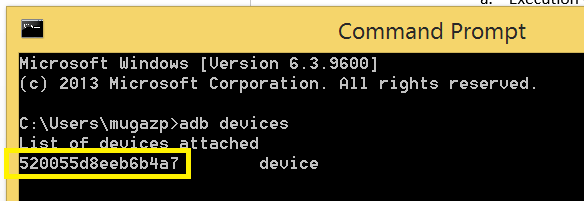
1. Configure the input data:
   1. Execution Control (Mandatory field):
      1. Choose **Yes** for the test scenarios to be executed
      2. Choose **No** for the test scenario to skip from execution



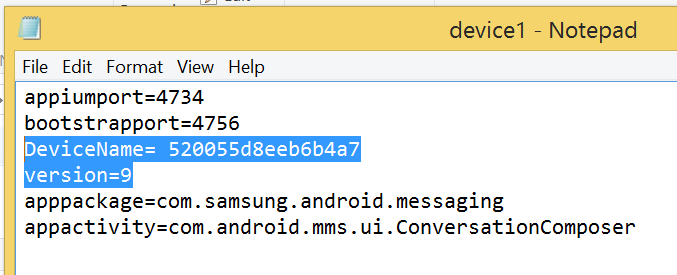
* 1. Test Case ID(Mandatory field):
     1. Enter the test case id (TC\_001\_01)



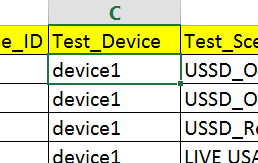
* 1. Test Device:
     1. Need to set the device properties as per the device model and version we are using. Below are the steps to configure the device properties
        1. Goto the folder path “src\test\resources\config”
        2. Open the device.properties file (Ex: device1.properties)
        3. Go to cmd terminal and type “adb devices”



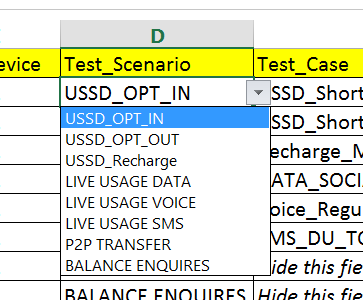
* + - 1. Copy the device name and version of the device to properties file



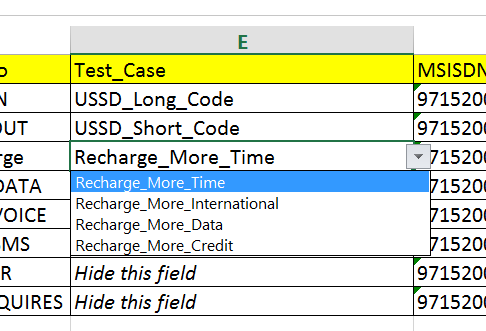
2. Enter the Test\_Device (**device1**.properties) in the input sheet as device1



* 1. Test\_Scenario:
     1. Choose the test scenario to be executed

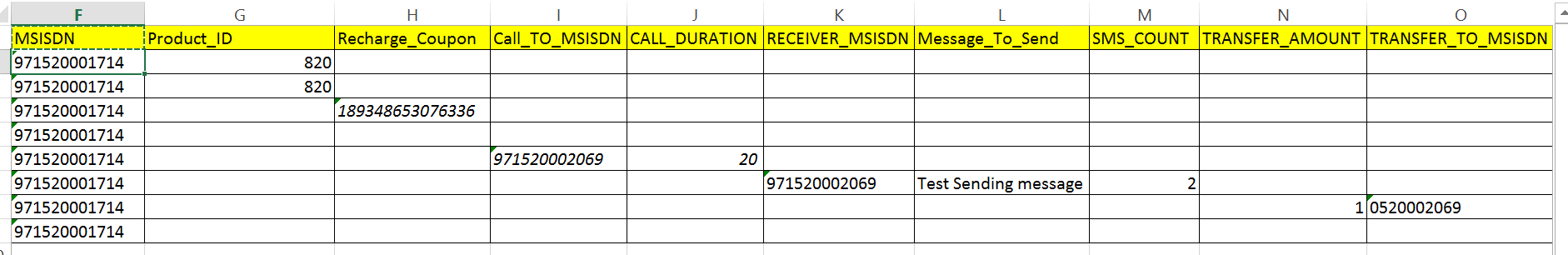


* 1. Test Case:
     1. As per the chosen Test Scenario, the test cases are prepopulated



2. Choose the Test Case to be executed

* 1. MSISDN: Enter the MSISDN number which to be used for execution

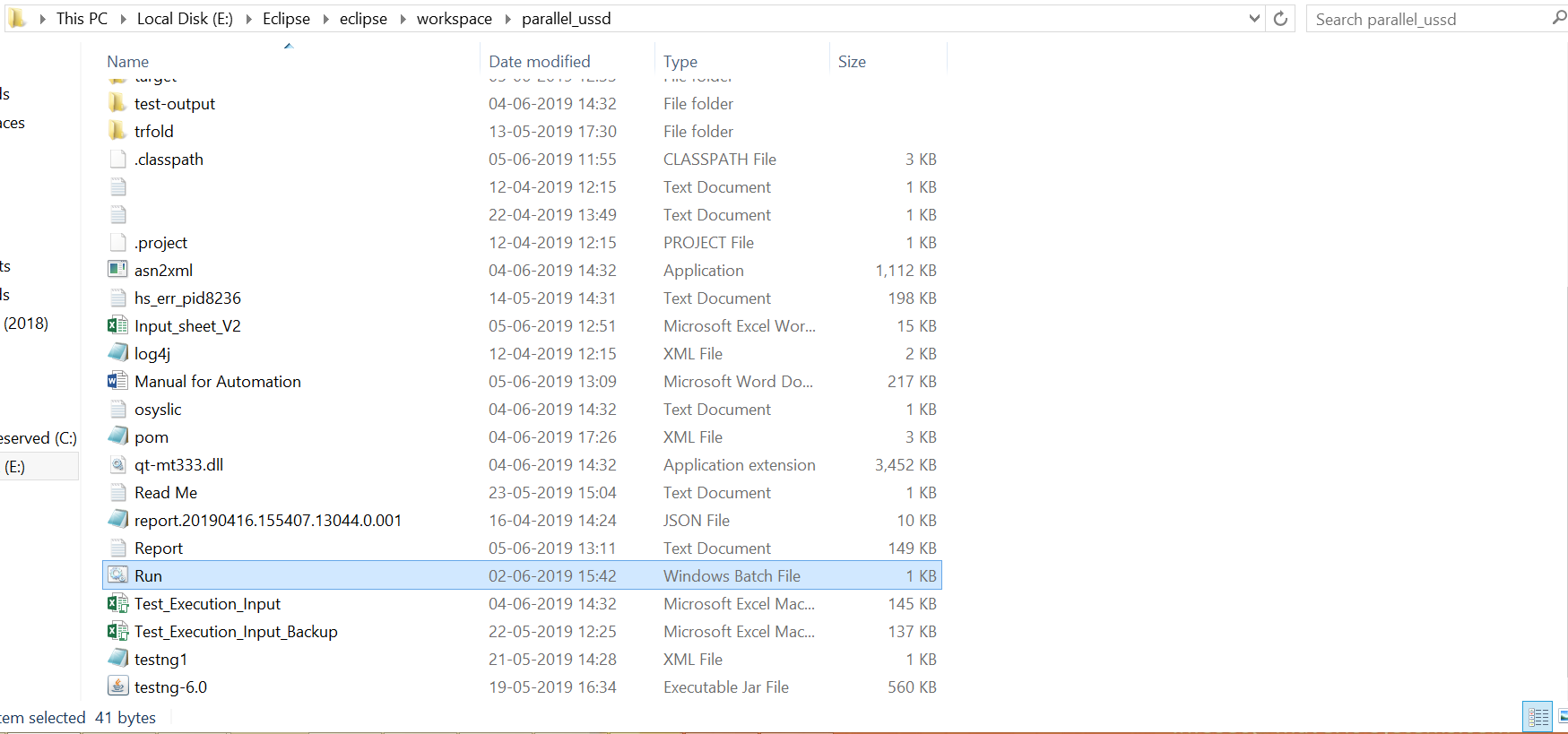


* 1. Product\_ID: Choose the product ID to execute
  2. Recharge\_Coupon: Enter the recharge coupon when the test scenario and test case chosen for recharge
  3. Call\_TO\_MSISDN: Enter the MSISDN of receiver when the test scenario is chosen as Voice call
  4. Call\_Duration: Enter the time duration in Seconds when the test scenario is chosen as Voice call
  5. Receiver MSISDN: Enter the receiver MSISDN when the test scenario is chosen as SMS
  6. Message To Send: Enter the text for the message to need be send when the test scenario is chosen as SMS
  7. SMS\_Count: Enter the number of times the SMS need to be send to the receiver when the Test Scenario is chosen as SMS
  8. Transfer Amount: Enter the amount to be transferred in AED, when the Test Scenario is chosen as P2P Transfer
  9. Transfer to MSISDN: Enter the MSISDN of the receiver, when the Test Scenario is chosen as P2P Transfer

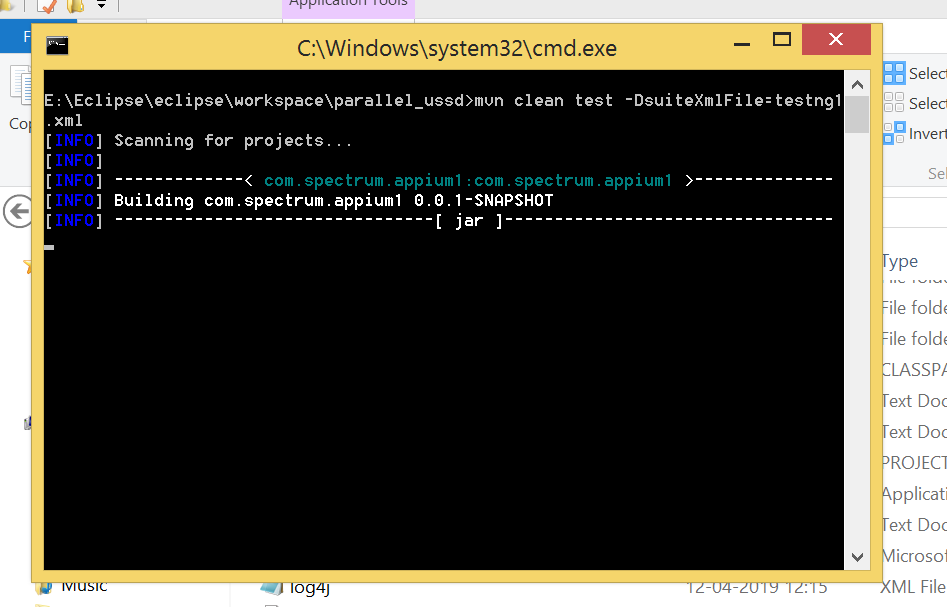
Add the test scenarios as mentioned above and save the input sheet for the execution

# Run configuration

1. Navigate to project folder as below



1. Double click on the "Run.bat” file

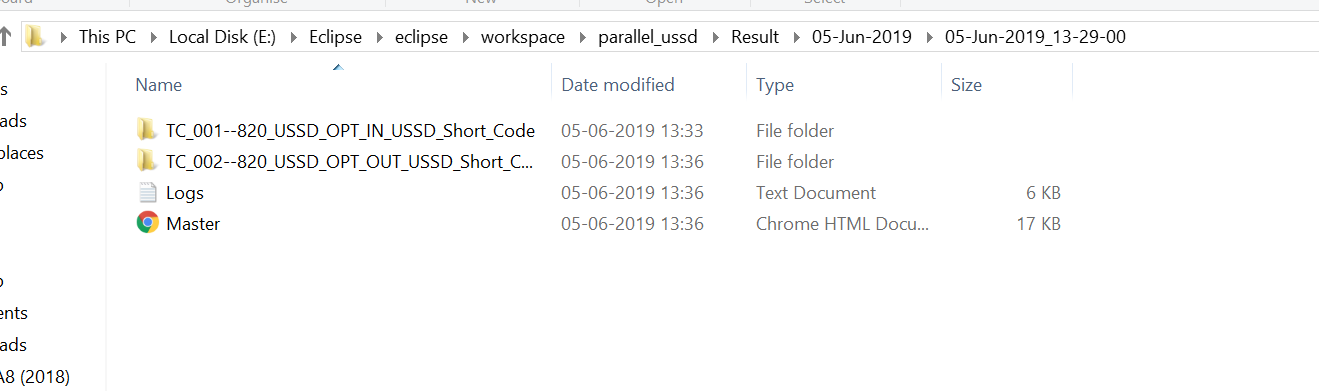


# Report

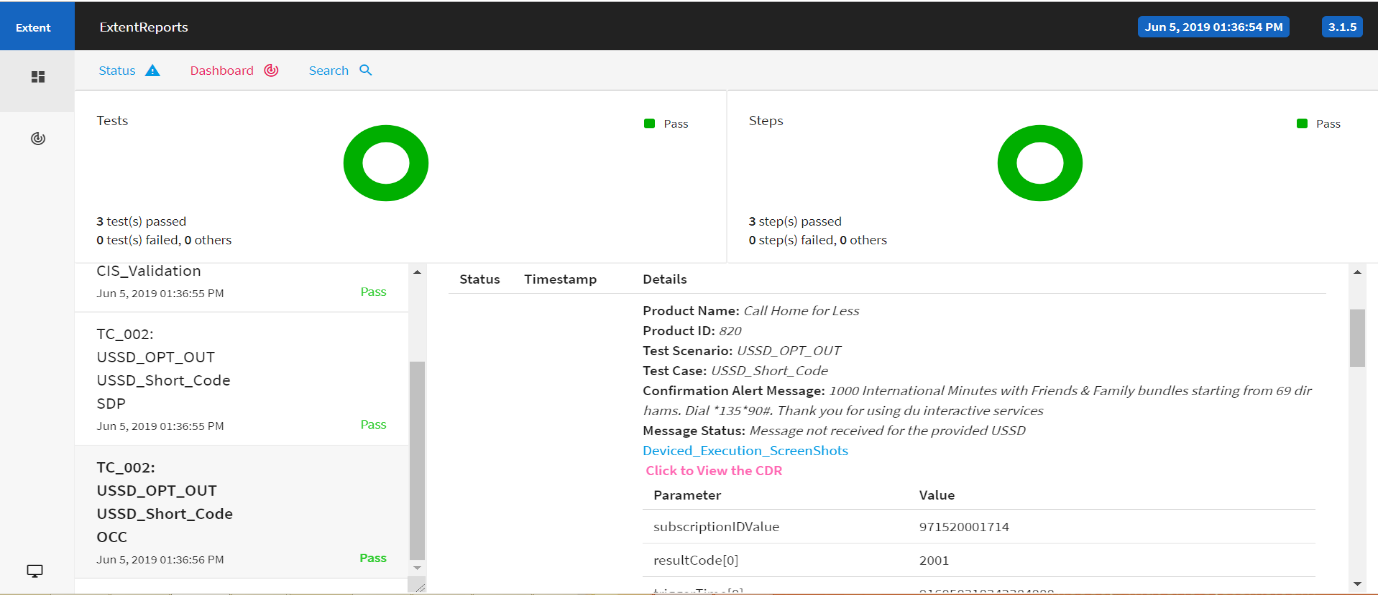
After the execution completes, the reports are generated in the following paths:

ProjectName\Result\DD-MMM-YYYY\ DD-MMM-YYYY \_HH-MM-SS

EX: ProjectName\Result\05-Jun-2019\05-Jun-2019\_13-29-00



1. Master.HTML Contains
   1. Overall Report for the execution (Test Case Id, Test Scenario, Test Case, Product Name, etc)
   2. Related Device execution screenshots
   3. CDR and EDR xml file link
   4. Selected CDR parameter values



1. Backup of Raw CDR Files
   1. Path: ProjectName\BackupCDR\FileType

