**QA Assignment Installation and Execution Guide**

**Pre-requisites:**

* Java should be installed on the machine.

**Folder Structure:**

* RedditAutomation 🡪*Project folder*
  + resources 🡪 Automation related Files
    - ResultTemplates 🡪 *html templates and images for generating results*
    - Chromedriver 🡪 *For test case execution on Google Chrome*
    - Config.properties 🡪 *Contains Automation related variables*.
    - RunManager.xlsx 🡪 *Test Case definitions and test data.*
  + Results 🡪 *Stores HTML results post execution*
  + Launch.bat 🡪 *To start execution*
  + redAutomation.jar 🡪 *Jar file for execution*.

**Configure the Framework:**

* *Step 1*: Edit the Launch File and Edit the highlighted(Red) path of the RedditAutomation Folder in the first line.

*cd C:\Users\Vikas\Desktop\RedditAutomation*

* *Step 2:* Make sure the Chromedriver version is compatible with the Google Chrome installed on your system.

*Chromedriver Location:* …\ReditAutomtaion\resources\chromedriver.exe

*Current Chromedriver version:* [*ChromeDriver 87.0.4280.88*](https://chromedriver.storage.googleapis.com/index.html?path=87.0.4280.88/)

*Compatible with:* *Chrome version 87*

* *Step 3: Make sure the Folder structure is as mentioned in the Previous section.*
* All the results generated will be stored in the **Results** folder inside RedditAutomation folder with date and time stamp.

**Configure the Test Execution (Optional):**

Note: Default configuration is to execute all the test cases. This step is optional in case the user wants to execute partial test cases or execute the test cases with different test data.

* Step 1: Configure “**Config.properties”** file
  + Location: RedditAutomation\resources\Config.properties
  + Define appURL *(Current value:* [*https://www.reddit.com*](https://www.reddit.com)*)*
  + Define passscreenshot value as yes or no (*Current value: no*)
* Step 2: Configure “**RunManager.xlsx”** file
* Location: RedditAutomation\resources\RunManager.xlsx
* In the TestCase sheet Select Yes or No in the Column named **Run** to execute that particular test case in current execution cycle.
* Use the TestFlow sheet to view/edit the test case steps.
* Use the TestData sheet to view/edit the test data used in the test cases.

For eg: to change the user to be login with, edit the username and password fields in the TestData sheet with new credentials.

**Launch the Automation Suite:**

* Double Click on the “**Launch.bat**” file.
* **OR** open Command prompt in the **RedditAutomation** Directory and execute the following command: *java -jar redAutomation.jar*

**Viewing Results:**

* After the execution is complete the results will be stored in the **Results** folder with the date and timestamp of execution.
* Open the ***Result.html***  file inside the recent results folder.
* Click on the PASS or FAIL link to view detailed result
* Inside Detailed result Click FAIL link to view to screenshot for failed steps