



## Mars Test Analyst- Competition Task

### Introduction:

Welcome! The Mars Competition Task is designed to check the potential of each and every intern before they actually move into the projects. Also to check if you can work with a team spirit and achieve the goals before the deadlines. While the instructions tell you what to do, they do not always necessarily tell you how to do it. This is deliberate as it is important for you to develop an independent drive to solve problems on your own. You should have a good idea where to start from your 6 weeks of training and also completing the On-boarding task, however, if you have any questions, your mentors are always ready to help. Please utilize slack to develop a good network of communications with peers and the project team.

### Learning outcomes:

- Be able to analyse requirements that are not documented and create test conditions and cases
- Test design process and estimations.
- Automation with Selenium Web Driver using C#.
- POM, Page Factory, Data driven approach, NUnit, Extent Reports, Excel Data Reader, Autolt and Asserts.

### The task consists of two versions of the same project:

#### Task 1:

- Create your own account on Mars website.
- Play around with the application and start writing the test conditions and cases for Home -> 'Share Skill' and 'Manage Listings'. Please follow the test case template in this [link](#).

Submit project for feedback

#### Task 2:

- Automate the any 3 complex test cases from Share Skills and Manage Listing modules. Please use the link below to start your automation testing [Solution File](#).

Submit project for feedback

Task complete!

### Frequently Asked Questions:

1. Why should I start from step 1 for every single test case?

- a. Assuming that you're executing a test case that was written by your team mate. If the test steps does not clearly describe in a sequential order on how it needs to be tested, you will have to be dependent on that tester to have your questions addressed. To avoid this, it is always a good practice to have test steps starting from Login step for every test case.
2. Why is it necessary to have expected results for every test step?
  - a. If there is a test case with 15 test steps and one expected result, a test executor would not know which step of the test case failed. So, in order to make it very clear it is important to have expected result designed for every test step.
3. Why we need to choose the complexity for the Test case?
  - a. Most of the companies, they will calculate the person's work based upon the test case complexity, A person can execute 8 complex test cases, 16 Medium test cases and 32 simple test cases per day. Apart from this we can also choose/select the complex test cases to do the automation.
    - a.) Simple: The test cases that takes less time and have less steps to execute, we will mark them as "Simple"
    - b.) Medium: Which takes a bit longer than the Simple test cases
    - c.) Complex: Test Cases which have many steps to execute and takes a bit longer time, we will mark them as "Complex".
4. Why we need to attach the Defect ID to the test case sheet?
  - a. It is always a good idea to map your test cases with the defects to avoid confusions. In Excel, for your test case sheet it is always recommended to have a column for your Defect ID, so that you will know if the defect is already logged or not. Also If the Defect reappears after it is closed, you can Reopen the same defect if you have a defect ID with the test case.
5. Things to remember when a task is allocated
  - a.) Write Test conditions, have reviewed it with your team lead
  - b.) Based on the feedback, modify your test conditions and start writing the test cases
  - c.) Have your test cases reviewed by the Team Lead again, If any further modifications need to be done, please do it
  - d.) Execute your test cases when your Team lead asks you to do it
  - e.) Log the Defects for the failed test cases in JIRA(Please take help from the Team lead if you have no idea about JIRA)
  - f.) Follow up your defects whenever there is a deployment
6. Whom should I contact if got a question?

You have been allocated to your mentors/Senior Test Analysts on the first day of your internship. And if you need any help you can reach out them. But in all the times we expect you to at least do some basic research to sort out your problems before you seek the help from mentors.

**Commonly made mistakes!**

1. Every test case should start from step 1 which is from Login
2. Please provide double quotes when using the words from the UI
3. Always write the "Expected Result" in future tense
4. Write the steps in an order so that you will not miss the flow
5. Provide Unique Test Conditions ID and Test case ID
6. Please follow the "Things to remember" that are mentioned above