

# RR – QA - Automation Assignment

## Description

Thank you for showing interest in Rapyuta Robotics and for wanting to be a Rapyutian.

This assignment is a chance for you to showcase your skills and will hopefully form a good base for discussion further down the process.

## Assignment

Create a Github account if you don't already have one and a public repo named rr-qa-automation-assignment. In your project, handle the following assignment. Check in the full history of your project.

## Test Generation and UI/API Testing

We'd like to introduce you to the following demo website: <https://tmdb-discover.surge.sh/>. This site is a simulation of a movie and TV show listing platform, similar to IMDb. All content and functionality are intended for demonstration purposes only. To help us better understand your test automation skills, we'd like you to perform the following tasks:

### ❖ Filtering Options:

- Categories: Popular, Trending, Newest, Top Rated
- Titles
- Type: Movies or TV Shows
- Year of Release
- Rating
- Genre

### ❖ Pagination

**Please Note:** As this is a demo, there are a few known issues (maybe consider the following for negative test cases 😊):

- ❖ Refreshing/Accessing the page using specific slugs (e.g., <https://tmdb-discover.surge.sh/popular>) may not work as expected.
- ❖ Pagination works for the initial few pages, but the last few pages may not function properly

We would like to see how you are:

1. Defining step-by-step test descriptions in a document. (Be creative!)

2. Implementing the functional test suite including the generated descriptions regarding:
  - ❖ The suite should be fully automated and provide both console and HTML reports (Any tool or framework to generate summary reports would be a benefit)
  - ❖ Usage of browser APIs calls and how you are asserting them.
  - ❖ How you have used 'Logging' in your suite.
3. Report test results with attachments and the defects that you found.
4. An approach on how you would proceed with this suite integration on CI. We are **NOT** expecting you to implement it but would like to see how you will approach (maybe a document as part of the README).

## Heads Up

Frameworks matter less than you think. Don't spend too much time deciding on the tool or framework (or if you even use one). Better spend it on polishing your deliverable as a whole. Any good tool will do.

We've kept the scope of the assignment rather small on purpose. Please document as much as you can:

- ❖ What is your testing strategy?
- ❖ Which cases did you generate? And why?
- ❖ Information about the test automation framework (libraries used etc.)
- ❖ Explanation about how to run tests in your framework.
- ❖ Which test design techniques did you use?
- ❖ What patterns did you use while coding?
- ❖ Which defects did you find?

Please concern the quality, maintainability and understandability of the code. Be sure that your solution manages dependencies, execution of tests and reporting.

## FAQs

- **How much time do I have?**
- You get 2 days from the time you get this assignment.
  
- **How much time should I spend on this?**
- There is no strict time limit for completing this task. We encourage you to manage your time in a way that allows you to deliver the most impactful results, focusing on the areas that will provide the greatest value.
  
- **What tools should I use?**
- Pick your favorite testing framework and craft your solution, demonstrate your development skills and come up with a reproducible and shippable approach.
  
- **Need any other clarification?**
- If you have any other questions, please contact us.

Best of luck,  
Rapyuta Robotics Engineering Team.