**SOFTWARE TEST ENGINEER**

The site to test: <http://ktvn-test.s3-website.us-east-1.amazonaws.com/>

Log in account: admin@test.com/test123

### **Manual Test Challenge:**

* Explore the site and define test cases to cover all main functionalities of the site
* Execute the test cases and report your test results. Please report the bugs found in the separate document/excel sheet

### **Automation Test Challenge:**

* Provide the ***ONE*** XPath to return the requests which are submitted and approved in 2019 (Request Status = Approved && Date Submitted = 2019)
* //tr[td//div[contains(text(),'2019')] and descendant::div[@class='ct-drop-group dropdown btn-group']/p[text()='Approved']]
* Write the automation script to verify for
  + Verify filter Student Access Request with INACTIVE
  + Verify sorting of First Name column
  + The API endpoint - GET https://my-json-server.typicode.com/typicode/demo/posts/1

*Notes*:

* *Template of Test Case/Bug Report you are free to choose but we expect to have well-documented which will be ready to pass to the development team to execute or fix for the issue found*
* Please upload your scripts on a public repository (Eg: GitHub, Bitbucket, Gitlab…) and write the guide for us to run your automation test scripts
* *Prefer programing language:* ***Java*** *when it’s using in our projects,* ***CSS/XPath selector*** *to catch the elements*
* *The scripts should be well-structured and easy to understand (POM model, design patterns, coding standards can help u on this)*

*Thank you for your time!*

**Answers:**

All answers are located in GitHub as below link. Please get it for details:

https://github.com/hien-karros/screening\_test.git

**Manual Test Challenge:**

* Test cases and test result file: Manual\_test\KarrosTechnologies\_ScreeningTest\_Testcases.xlsx
* Bug list: Manual\_test\KarrosTechnologies\_ScreeningTest\_Defect\_list.xlsx

**Automation Test Challenge:**

* Provide the ***ONE*** XPath to return the requests which are submitted and approved in 2019 (Request Status = Approved && Date Submitted = 2019)
* //tr[td//div[contains(text(),'2019')] and descendant::div[@class='ct-drop-group dropdown btn-group']/p[text()='Approved']]
* Write the automation script to verify for
  + Verify filter Student Access Request with INACTIVE
  + Verify sorting of First Name column
* Check the Automation Test guideline for answers of 2 above questions: Automation\_test\Auto\_test\_guideline.pdf
  + The API endpoint - GET https://my-json-server.typicode.com/typicode/demo/posts/1
* Not much hand-on experience about API automation testing to handle this question