CIB DIGITAL TECH – QA AUTOMATION ASSESSMENT (OPEN SOURCE)

Task:

Your task is to automate the two test cases below. You are free to use any Open Source automation frameworks, but please do list the tools and resources used. Below is a list of patterns and practices that we are looking for in your solution:

- Hybrid approach with modularization
- Descriptive programming
- Regular expressions
- Parameterization
- At least two ways of storing and utilizing test data
- Report stores test evidence and results

Task 1 - API:

- Public API - https://dog.ceo/dog-api/
- Using the above mentioned API perform the following calls.
    - Perform an API request to produce a list of all dog breeds. (*Diagram 1*)
    - Using code, verify “retriever” breed is within the list. (*Diagram 2*)
    - Perform an API request to produce a list of sub-breeds for “retriever”. (*Diagram 3*)
    - Perform an API request to produce a random image / link for the sub-breed “golden” (*Diagram 4*)

Diagram 1

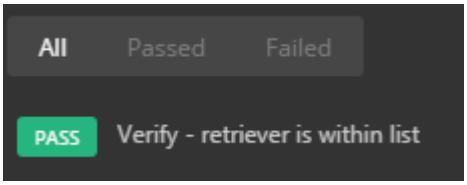

Diagram 2

Diagram 3

Diagram 4

Task 2 - Web:

- Create the following test case:
    - Navigate to - http://www.way2automation.com/angularjs-protractor/webtables/
    - Validate that you are on the User List Table
    - Click Add user
    - Add users with the following details:

First Name	Last Name	User Name (*)	Password	Customer	Role	Email	Cell
FName1	LName1	User1	Pass1	Company AAA	Admin	admin@mail.com	082555
FName2	LName2	User2	Pass2	Company BBB	Customer	cusomter@mail.com	083444

    - Ensure that User Name (*) is unique on each run
    - Ensure that your users are added to the list

Note:

1. Ensure you include a clear ReadMe
2. Submit your test to us in a format that lets us execute and review the code (it must be submitted in a public repository like Bitbucket or Github)
3. Your tests must validate all the validation criteria requested
4. Your assessments will be judged based on meeting the criteria, style and the use of good practices and appropriate use of source control
5. We want to see your best work - no lazy coding or comments.