SQLI DIGITAL EXPERIENCE

QUALITY ASSURANCE AUTOMATION TEST

Reference: Quality & Release Business Unit

Version [V.1] – [19/03/2024]

1. Contents

2. Introduction 2
2.1. Completion of the test 2
Undertaking both exercises in full. 2
2.2. Upload the code of the test to a repository. 2
2.3. Presentation and defence session 2
3. EXERCISE 1 : WEB AUTOMATION 2
4. EXERCISE 2 : DATA HANDLING IN APIS 3
5. PRESENTATION & DEFENCE 3

2. INTRODUCTION

Thank you for taking the QA Automation Qualification Test. Please, prior starting the following exercise, carefully read the instructions.

This test entails 3 phases:

2.1. Completion of the test

Undertaking both exercises in full.

2.2. Upload the code of the test to a repository. (e.g GitHub, GitLab, etc)

And share it with the Hiring Manager and the Talent Acquisition Partner 24 hours before the session to present & defend your performance.

2.3. Presentation and defence session

If you need more time to take the test, do not be worried about time limit, and do not hesitate to tell the Recruiter.

3. EXERCISE 1: WEB AUTOMATION

You need to perform an automation consisting of:

- Search for the word "automation" on Google.
- Find the resulting Wikipedia link.
- Check the year in which the first automatic process was done.
- Take a screenshot of the Wikipedia page.

4. EXERCISE 2: DATA HANDLING IN APIS

In this link, you will find the documentation for the API of a pet store: https://petstore.swagger.io/

- Create your user through an HTTP request and then retrieve its data by calling the corresponding service.
- Collect, through an HTTP request, the JSON returned by the endpoint /pet/findByStatus, and list, using a function, the names of the pets that have been sold.
  - The output format should consist of the tuple {id, name}.
  - You can use the data structure of your preference.
- Create a class whose constructor requires the earlier data structure and implement a method that can iterate through it to identify how many pets share the same name.
  - Example output: {"William": 11, "Floyd": 2}. As output, we request the code (you can separate it into files as you prefer) and the results from the previous points.
  - Remember that you can use the language and technology of your choice, and any additional improvements will be well considered.

5. PRESENTATION & DEFENCE

There will be a presentation and defence session for the afore mentioned exercises; it is necessary to have the repository available. You can prepare two slides as a maximum to explain your decision of technologies, benefits, and potential risks. Language: English (slides and defence).