Guidelines/Best Practices for QA Engineer

At TechVerito, we strive to build high-quality software that works correctly as per the business requirement, which is readable and maintainable, has safety nets to safeguard the quality, and handles errors gracefully without breaking the system.

We are looking for people who can write code that has flexibility built-in, by following the principles of object orientation and clean code.

Some important guidelines to write good code.

- Is your code simple enough to understand and maintain?
- Is your code DRY enough?
- If your code follows SOLID Principles of Object-Oriented Design?
- Is your code clean enough? More info at https://dzone.com/articles/clean-code-robert-c-martins-way

Important Notes

1. We need a proper running **code that can be run in isolation on any machine irrespective of the OS.**
2. It is **mandatory** that you create the framework with **BDD (Gherkin)** and that the test cases are asserted properly.
3. If you are using any build tool to download the dependencies like **maven/Gradle** we would need that file. If you are not using any of that we would need the dependency jar files.
4. You need to ZIP your test files/package. We will download the ZIP file, and extract and execute it. **It should run out of the box without any error.**
5. You need to share only the source code along with the build file and include only the driver that is used. **Please do not attach all the other drivers.**

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Problem Statement

Consider a book cart e-commerce application that allows users to sign up, search for required items, add them to the cart/modify the cart, and checkout (You can skip the checkout/payment functionality)

Application Link
https://bookcart.azurewebsites.net/

Scenario:

- Develop automated tests using Selenium WebDriver and Java covering all possible test scenarios for the below features,
    - Register & Login on the app
    - Searching and adding items to the cart.
    - Verifying contents of the cart - Assuming the user searches and adds 5 different items with different prices (choose the prices at your wish),
        - Verify the total cart price shown considering the user has added these items with multiple quantities (2 each) to the cart.
        - Continuing from above, Verify if the total price of the cart gets updated when the user modifies the quantity of respective items.

You also need to share your created username and password. So, we can execute your code and review it.

You will be given 2-3 days to write a solution and once you complete the solution, you can upload it on Google Drive and share the link with us. Please DO NOT post your solution on Github or any other place accessible to externals.

You also need to share your created username and password. So, we can execute your code and review it.

Should you have any queries please do not hesitate to reach out to us!

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