Senior Automation QA Engineer – Technical Assessment

Instructions

Both parts of your framework should be written in **Java/Kotlin or JavaScript** and will need to include a README.md file with relevant information, and any additional context for the submission which will be used to judge documentation skills.

Once you've done that, **zip everything up into a zip file and email back to us.**

Part 1:

You have just joined the Engineering cross functional team responsible for the delivery of a new site - http://automationpractice.com/index.php

You have been brought onto to help speed up the manual regression testing process by automating key tests.

Task

Create **one automated test** to validate the below scenario via the GUI

Test to automate

You may create an account beforehand using dummy data and use this within the test to log in

1. Hover the Dresses tab and click Summer dresses
2. Change the view of the products to List view
3. Add the product to the cart
4. Proceed to checkout
5. Increase the quantity to two dresses
6. Log in using your account
7. Confirm address and confirm shipping
8. Print to console the following info: Name of product and the price

Output

- Clear build and execution instructions

- Test report included from the run

- An example CI file that would include running this test as an **example**. The tool can be of your choice I.e Jenkins, Github Actions, Circle CI.

Part 2:

You have been tasked to automate the testing for some end points on the following API:
https://jsonplaceholder.typicode.com/.

Task

Create **3 automated tests** to validate the following from https://jsonplaceholder.typicode.com/ :

1. GET - /comments?postId={id}
2. POST - /posts
3. PUT- /posts/{id}

Output

- Clear build and execution instructions

- Test report included from the run

- An example CI file that would include running this test as an **example**. The tool can be of your choice I.e Jenkins, Github Actions, Circle CI.

- An example write up of how you could include non-functional testing here, bonus points if you manage to implement something.

Part 3:

Please document below your ideal CI testing pipeline if you had an open choice of tooling and strategy. Feel free to make assumptions on the FE an BE applications but we want to see your ideal state and some of the key points you would consider and why.