blusalt

Introduction

Although product quality is a collective responsibility, the QA Engineer serves as the champion of quality by adhering to a defined quality assurance process. With this in mind, we request that you complete the following tasks.

Aim

Based on your experience, this exercise aims to rate your test documentation skills, manual testing, your finesse in automation testing, API testing and your familiarity with CI/CD.

Exercise: Test Report and Test Automation

Test site: *https://osc-ultimate-demo.mageplaza.com/*

Task 1 – Functional Testing and Defect Management🐞

Design test cases for the following functionalities and document any defect identified with clear reproducible steps
- Registration and Login
- Shopping Cart and Checkout
- My account

You can also indicate improvement recommendations based on your observations.

Task 2 – Test Automation⚙️

Navigate to this website and write automated web-based tests for the following functionalities.
- Client Side Delay, Dynamic Table, Sample App, Shadow Dom, Alerts and File upload

- A JavaScript framework e.g Cypress is recommended.
- The framework should be designed using a page object model approach.
- Incorporate BDD into the framework.
- Using github actions, setup a CI/CD pipeline for your test automation

Task 3 – API Test Automation🛠️

Using cypress, write api test automation scripts for registration and login test cases of task 1

Submitting the Results🚀

Once all tests are written and executed locally successfully:

- Push your tests to your repository, and ensure it is public. Share the repository URL when replying to this email.
- Document all steps required to execute tests in the repository's README file
- All prerequisites, observations and blockers should also be included as Notes in the README file.
- Attach the test case report when you reply to this email to confirm that you're done