**java version Used :**

openjdk version "16.0.1" 2021-04-20

OpenJDK Runtime Environment AdoptOpenJDK-16.0.1+9 (build 16.0.1+9)

OpenJDK 64-Bit Server VM AdoptOpenJDK-16.0.1+9 (build 16.0.1+9, mixed mode, sharing)

**Tools Required:**

* Eclipse / IntelliJ
* Java 16 (I used java 16 and please make sure to config build path in your IDE)
* Selenium maven dependency
* TestNG maven dependency

**3. Reflect on the technical solution you prepared. What would you change to make it**

**better?**

**BDD -Cucumber Framework :** With BDD framework we can create reusable steps and step definitions. Once defined, these steps can be reused across multiple scenarios, reducing duplication and simplifying maintenance. Also BDD gherkin languages which allows all non-technical team(product owners, and business analysts) to understand and communicate effectively with test engineers.

**Page object model :** POM- design pattern offers more benefits like reusability, maintainability, and structured suits.

**Screenshots :** Taking a screenshot when the error occurs. This can be helpful in diagnosing issues.

**Extend or allure Reports:** using a reporting framework like Extent or Allure can significantly improve test result visibility, making it easier to track and analyze test execution.

**Exception Handling**: Adding proper exception handling to capture and log errors, which can help us to diagnose issues more effectively.

**Email notification via Jenkins :** Additionally we can also add email notifications in tests, so that anyone can be informed of test results

**Verify downloaded file :** if needed we can also try verifying downloaded assets but Controlling the Download Location and verifications can be complex as far as I know

Additionally we should add **Assertions and validation** forbetter qualityStandards

Dear Alexandra,

Based on my understanding of the task, I have automated the Media Library page alone.

I opted to use Selenium with Java, Maven, and TestNG. As discussed, While Cypress is already in use with Frontify, there's a plan to transition to alternative tools like Playwright. Hence I used selenium as still I need to enhance my skill on playwright as informed in our last call.

Please let me know if you need more details.

Regards,

Kavithra