Intern QA Technical Assessment

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<u>Test Automation Basics</u>

Assume you are asked to create a test automation framework for a web application of an online shopping site. The application includes functionalities such as user login, registration, product search, add to cart, checkout, and order history etc...

What is your approach? (No need to write scripts/codes)

- When we use test automaion framework to conduct the testing of web application we have to consider about some facts which helps to do the testing accurately and efficiently. According to the example if we do the testing part of online shopping site we have to consider about approach like,

    1. Requirement Analysis
    First, identify the tests that are repetitive and would benefit from automation and scope of the application.

    2. Select Tools and Technologies
    Next, choose an appropriate automation tool that aligns with your project's needs, like Selenium, playwright.

    3. Test Environment Setup
    Set up the hardware and software environment. Such as install and configure test tools, relevant IDEs.

    4. Develop Test Scripts and Execution
    Write test scripts using a suitable programming language, and then execute these scripts to validate the functionality of the application are done in this phase.

    5. Reporting
    Creating test case reports and bug reports, test summary reports are deliverables of this step.

    6. Maintenance
    Finally, regularly maintain and update the automated tests to accommodate any changes in the software, ensuring the tests remain relevant and effective.

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