ALGO

- Project Setup: Create a new Java project in Eclipse and add dependencies like TestNG and Selenium WebDriver to the classpath.

- Java Class Creation: To include automation and test scripts, create a special Java class (such as EcommerceAutomation).

- WebDriver Initialization: To enable browser automation, initialize the WebDriver.

- Website Navigation: Use the WebDriver to navigate to the designated e-commerce website ("https://www.saucedemo.com/").

- Automation Steps: Take care of the search bar, automate the add-to-cart procedure, and implement automation for registration and login.

- Error Handling: Respond to erroneous login attempts, record and present error messages, and store pertinent screen grabs.

- Reports and Execution: Set up TestNG to produce comprehensive reports in Excel or HTML. Create a README file that details the entire procedure. Use TestNG to run the automation scripts, monitor browser interactions, and verify the outcomes. Check the produced test reports for thorough information about how the tests were carried out.