Project Title: Automating Amazon with Selenium WebDriver

Objective: The project aims to streamline the testing process by automating various functionalities of the Amazon website using Selenium WebDriver with Java. It encompasses a range of tasks, from navigation and login to product searches and wishlist management.

Tools Used:

Selenium WebDriver: For browser automation.

Java (Version 1.8): As the programming language.

Eclipse: Integrated Development Environment for writing and testing the code.

ChromeDriver: To interface with the Chrome browser.

Implementation Overview:

Setup:

Configured Eclipse with Selenium WebDriver and added ChromeDriver executable to the system path.

Created a new Java project and included the necessary Selenium libraries.

Automated Tasks:

- Navigated to the Amazon homepage and maximized the browser window.
- Implemented the Page Object Model (POM) for better maintainability of the code.
- Automated the sign-in process, verifying successful login.
- Developed functionality to scroll through the page to check page responsiveness.
- Automated the search for products, like "iPhone 13," within specific categories.
- Included the use of filters to refine search results.
- Enabled the addition of products to the wishlist, along with confirmation handling.
- Ensured that all actions were followed by appropriate waits to account for network latency and page load times.

Version Control:

Utilized Git for version control and tracked the project on GitHub, with careful attention to not track sensitive information like login credentials.

Documentation:

Maintained clear documentation for every step of the process, including setup, execution, and the handling of different web elements.

Final Delivery:

Pushed the final version of the code to the GitHub repository, sharing the repository link for project tracking and evaluation.

Repo Url: https://github.com/RahulKumar41/Automating-Amazon-.git