Amazon Web Automation

Introduction:

This project is on automating the Amazon webpage for the testing purpose.

In this project I have used the Java programming language. Selenium and its few of the dependencies like TestNG and Maven are used for the simplicity of the project.

While working on the project below features are also taken care:

- Modularity
- Reusability
- Readability

Below are the few points that are covered for the better understanding of this project and to keep it simpler and more understandable for others: -

- Implemented Page object model framework
- Implemented Assertion for the better understanding and used proper wait as per the requirements
- Extent report and Screenshot features are also covered to make it more convenient for others
- Can run the project in Headless mode
- Loggers are also implemented
- Switch to window is implemented

Pre-requisites to run this project: -

- java installed in your system [check with: 'java --version']
- maven is configured in your system [check with: 'mvn --version']
- Enter the username and password in "config.properties" file to run the testcases.

In this project folder there are few files which are important to understand and run the project, let us understand one by one its uses.

- All the test files are under "src/test/java" folder which is implemented while running the project
- All the pages and utilities files are in "src/main/java" folder.
- All the drivers are stored in Driver folder so that we don't need to change the path for the different system
- Report and screenshot folder are there to store the extent report and the screenshot id there is any error in the project while running
- We can run the project using "Testng.xml" file as all the dependencies is based on that file only

Steps to be followed to run the project: -

- Enter the username and password in the "config.properties" file to run the login test cases.
- By default, we can run this in non-headless mode in which we will be able to see the steps implementation of the project.
- First, we will go to Tensng.xml file and run this as a TestNG Suite. The project will run successfully.
- It will take you to the Amazon webpage
- Check the title and then will click on the login button to login
- Enter the email address as mentioned in the config.properties file and then enter the password same step will be followed and click enter.
- The user will get logged in.
- After that it will hover to the Country/Region symbol to check if the user on same page.
- As region is Indian by default it will run and again take us to the homepage.
- Now we can test the search bar option is working fine by clicking on the search bar button and it will search for the "Iphone12" as by default it is taking from the Config file.
- It will search for the given item and will open the new page for the selected item
- Here we can add the following item in the cart and can now visit the "Go to cart" option.
- After all this testcases run successfully it will close the browser and the test will end.
- You can see the test results in report folder.