**Phase-End Project 5**

**Automate an E-Commerce Web Application**

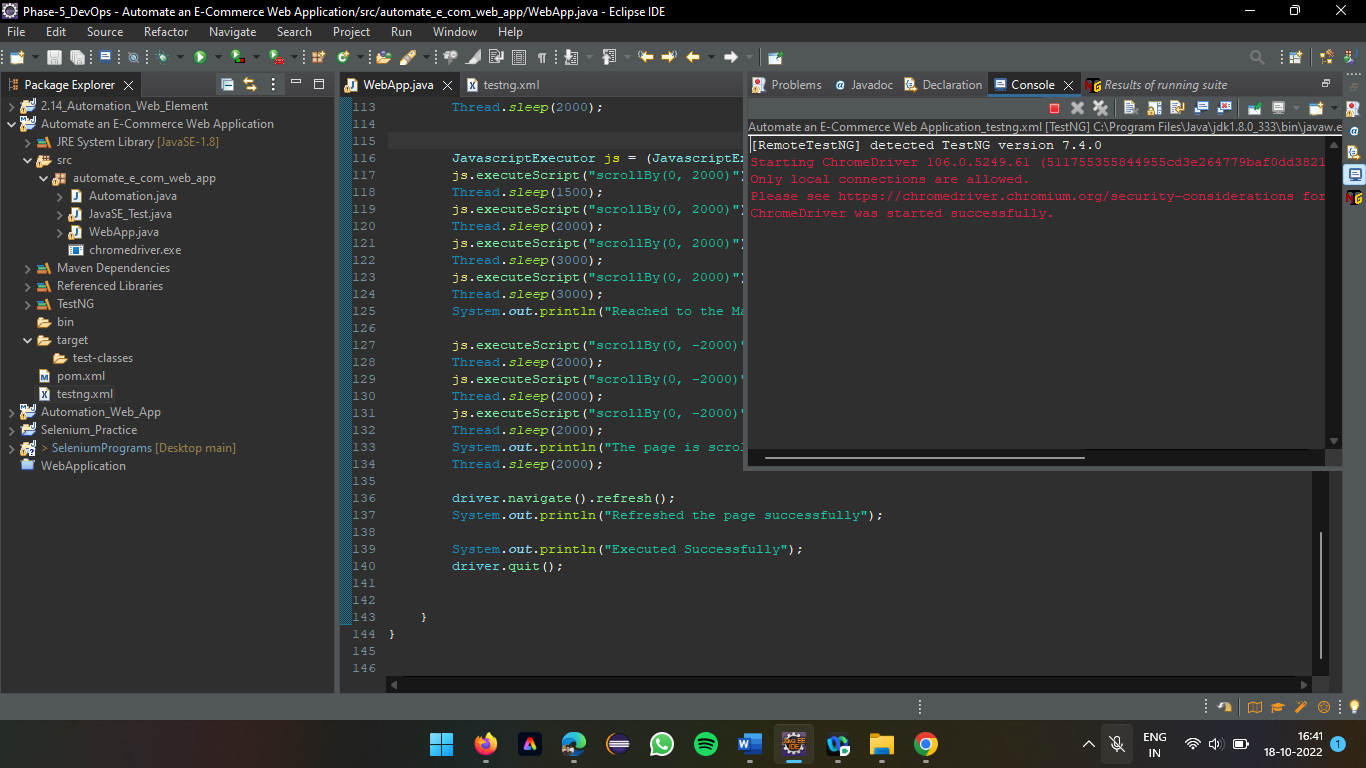
**Description:**

Flipkart is an e-commerce platform, and they have launched a new feature to search for a product in a particular category. Once the product is searched, Flipkart displays it as a list of product items. To enhance the performance of the application, Flipkart has implemented lazy loading. It displays only a few products that can come on the screen.

To display or load more products, the user must scroll down.

As a Test Engineer, you are expected to test this feature end-to-end.

Screenshots



Chrome driver started successfully

A screenshot of a computer

Description automatically generated

Opens the driver of Flipkart web application upon Chrome driver starting

Graphical user interface

Description automatically generated

Maximizes to full width display

A screenshot of a computer

Description automatically generated with medium confidence

Displaying User Log in process

Graphical user interface, text, application

Description automatically generated

Displaying the user’s home page after successful logging in

A screenshot of a computer

Description automatically generated with medium confidence

Displaying the total load time to process and show the contents of Flipkart application

A screenshot of a computer

Description automatically generated with medium confidence

Searching for the product in Search Bar

A screenshot of a computer

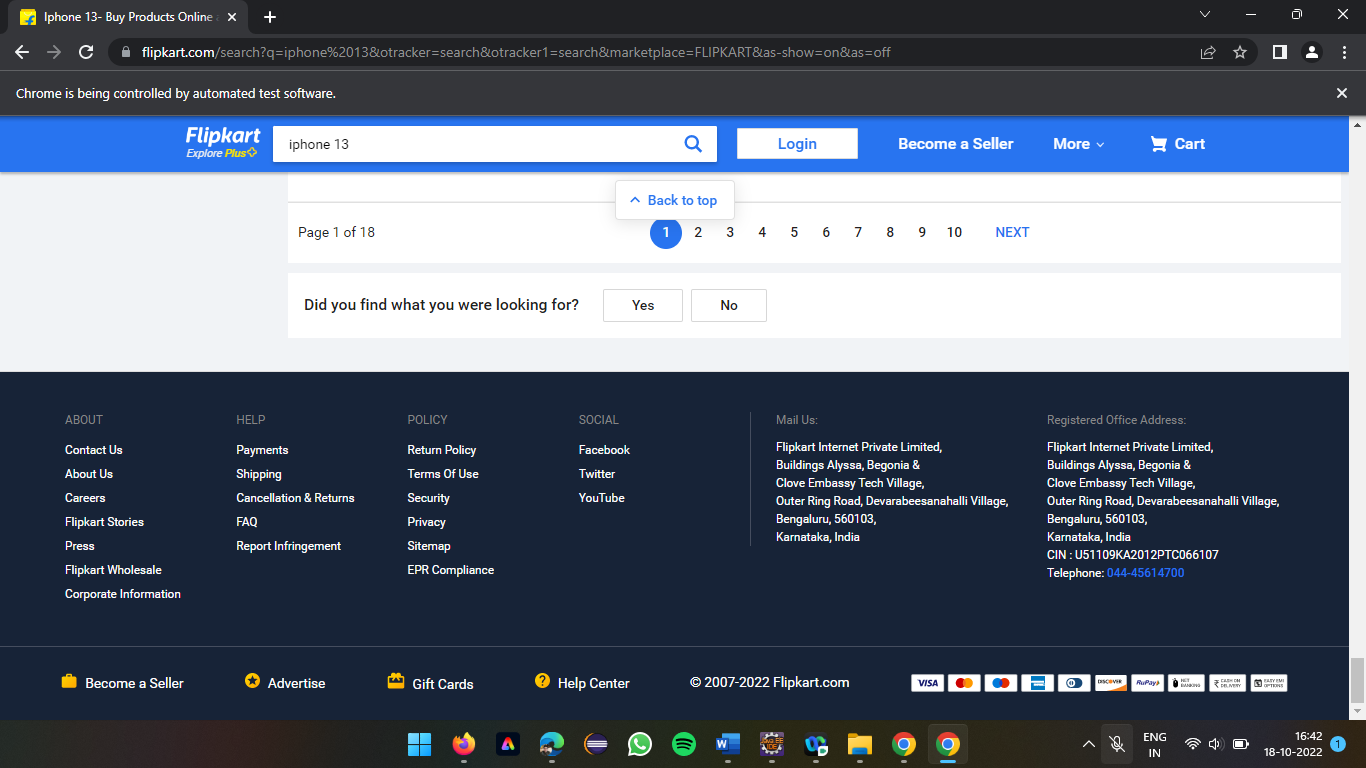
Description automatically generated

Displays all the products in the list that matches the text iphone 13

A screenshot of a computer

Description automatically generated

Scroll down feature is active after the images being loaded to view all the products that exists in the list



Displaying the bottom of the page height after scroll by method implemented

A screenshot of a computer

Description automatically generated

The page is scrolled to the top after the bottom height is reached

A screenshot of a computer

Description automatically generated with medium confidence

Displaying the console after all the Chrome Driver based testing is completed

A screenshot of a computer

Description automatically generated with medium confidence

Automation of Flipkart application using Firefox (gecko) driver on Firefox browser

Graphical user interface

Description automatically generated

Displaying Flipkart home page in Firefox browser, the login process is cancelled

Graphical user interface, text

Description automatically generated

Searching for the iphone 13 in the Search bar

A screenshot of a computer

Description automatically generated

Products are displayed in the list after the search bar matches the text to search for the product

A screenshot of a computer

Description automatically generated with medium confidence

Scroll feature is active on the Firefox browser

A screenshot of a computer

Description automatically generated

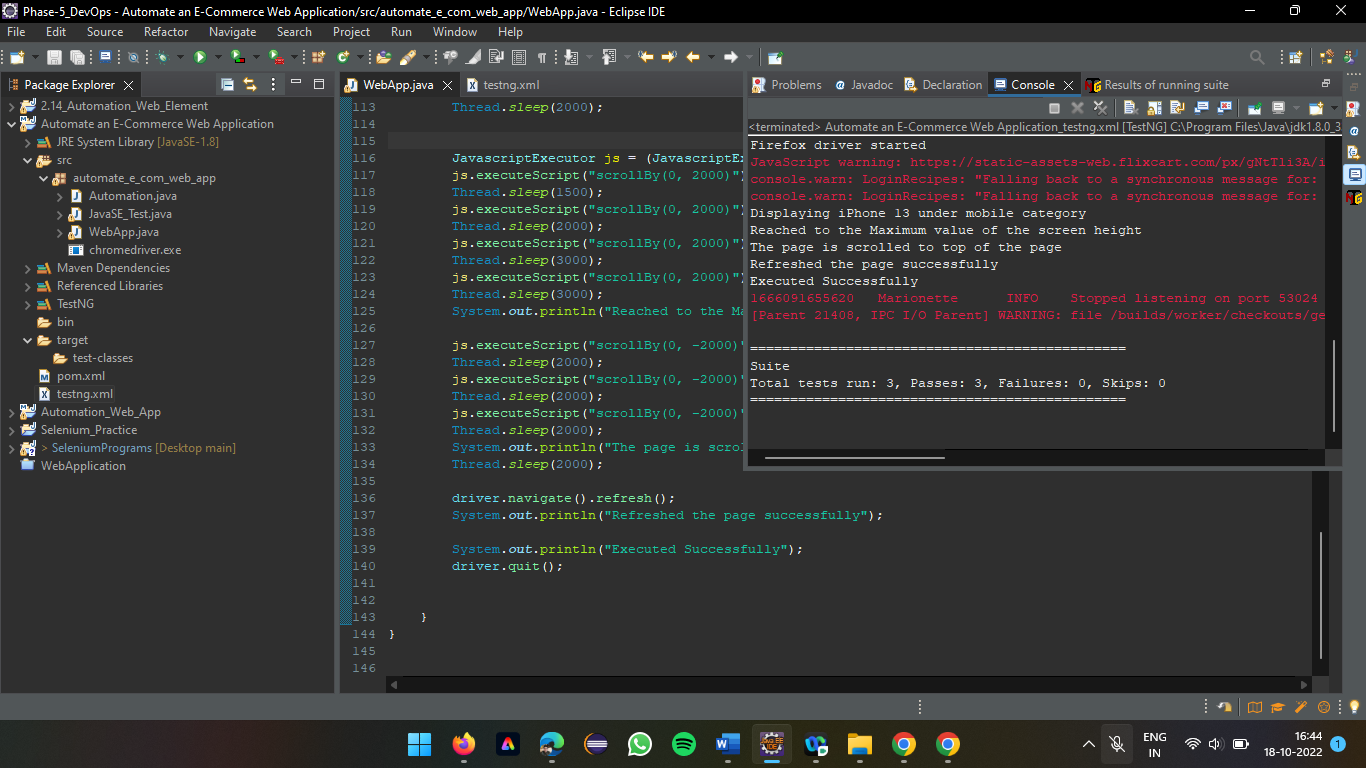
The page is scrolled till the page height

A screenshot of a computer

Description automatically generated with medium confidence

The page is scrolled to the top after the bottom height is reached

**Test Results in the console**



All the tests are passed after successful completion of all the functionalities

A screenshot of a computer

Description automatically generated with medium confidence

All tests are passed (indicated with correct sign and green colour)

A screenshot of a computer

Description automatically generated with medium confidence

Summary of the test run, with the total time taken in seconds to finish up all the processes, number of Class count and Method count