

# Phase-End Project 5

## Automate an E-Commerce Web Application

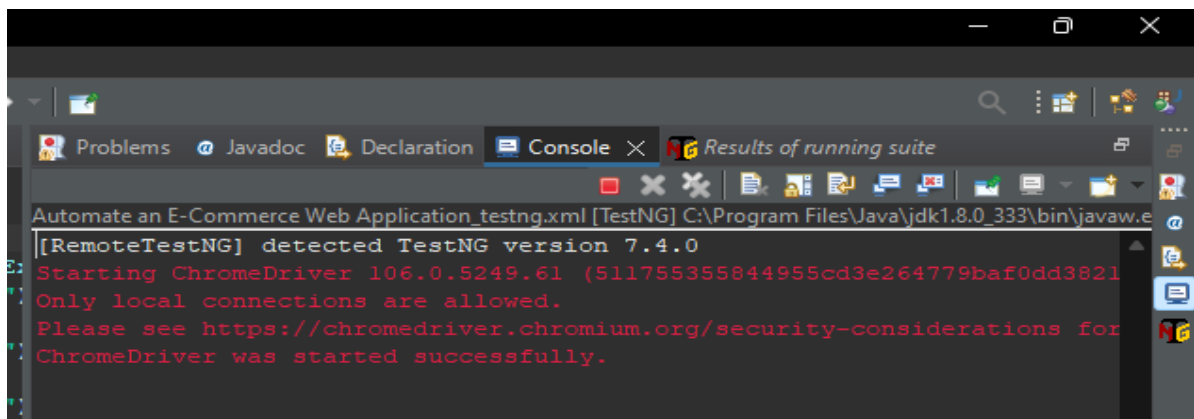
### Description:

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.

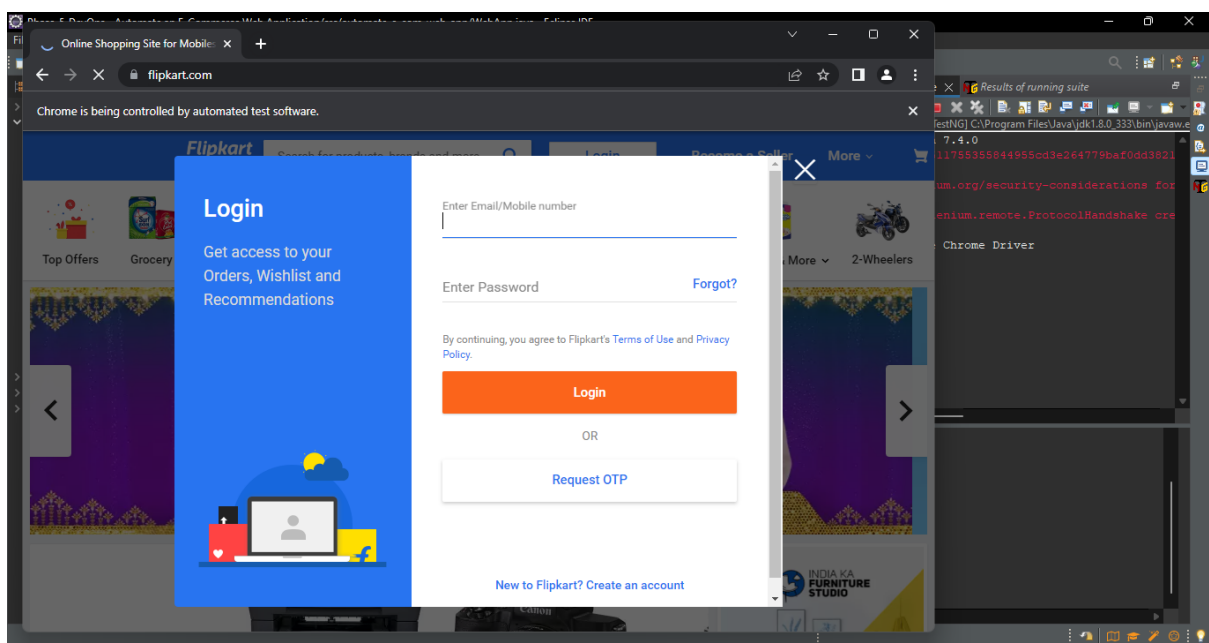
To display or load more products, the user must scroll down.

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

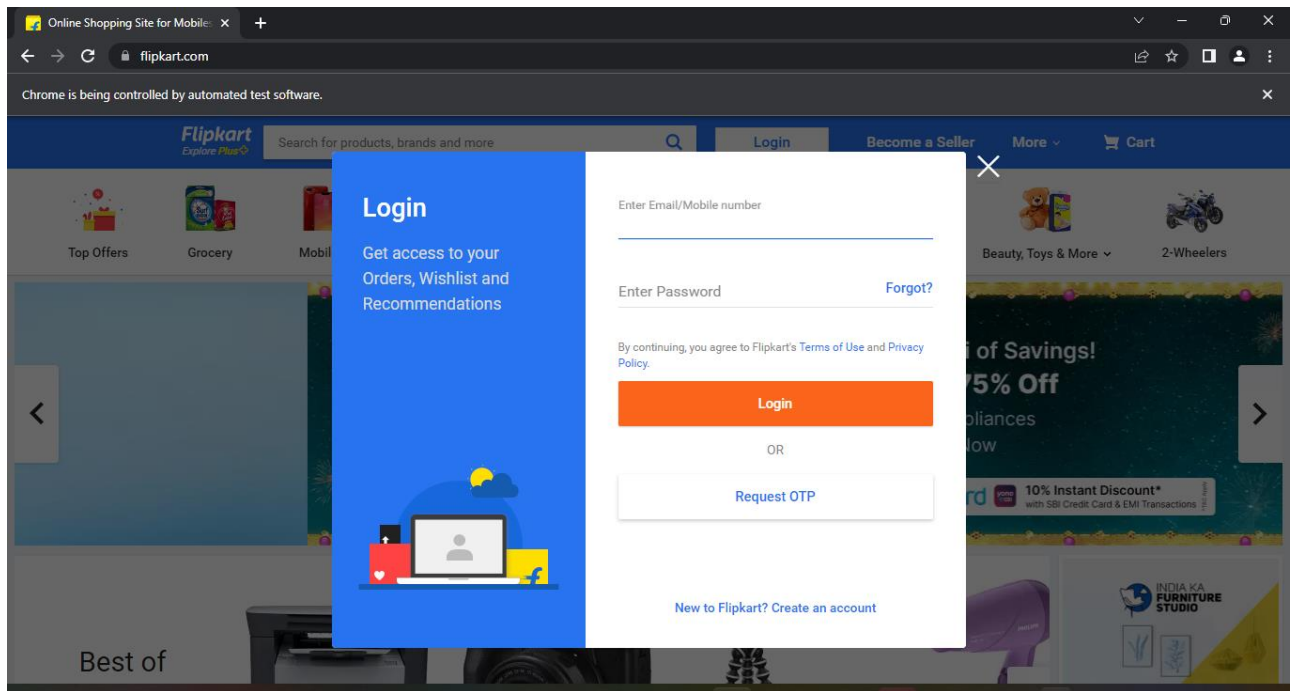
### Screenshots



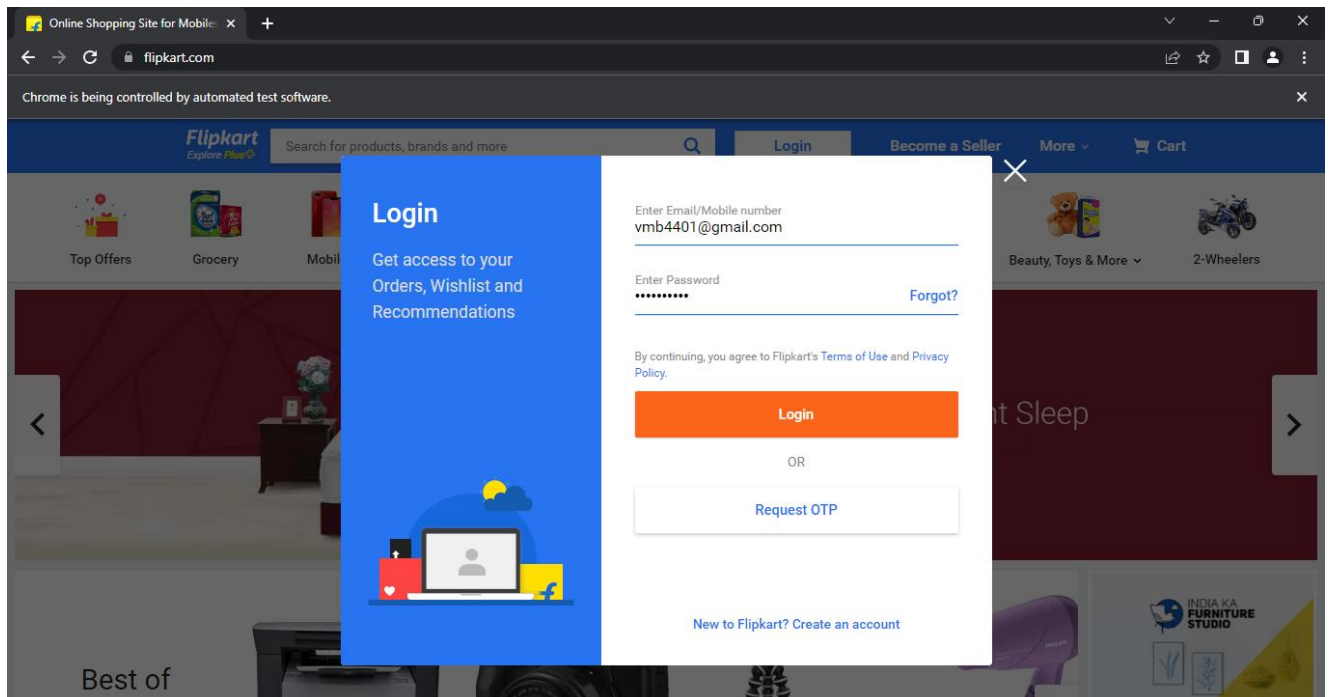
Chrome driver started successfully



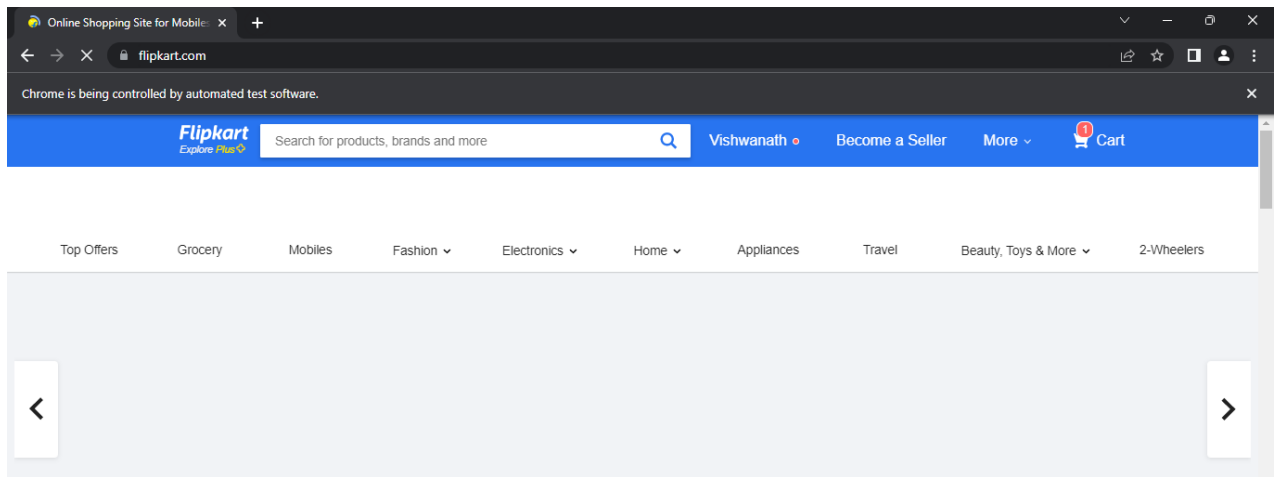
Opens the driver of Flipkart web application upon Chrome driver starting



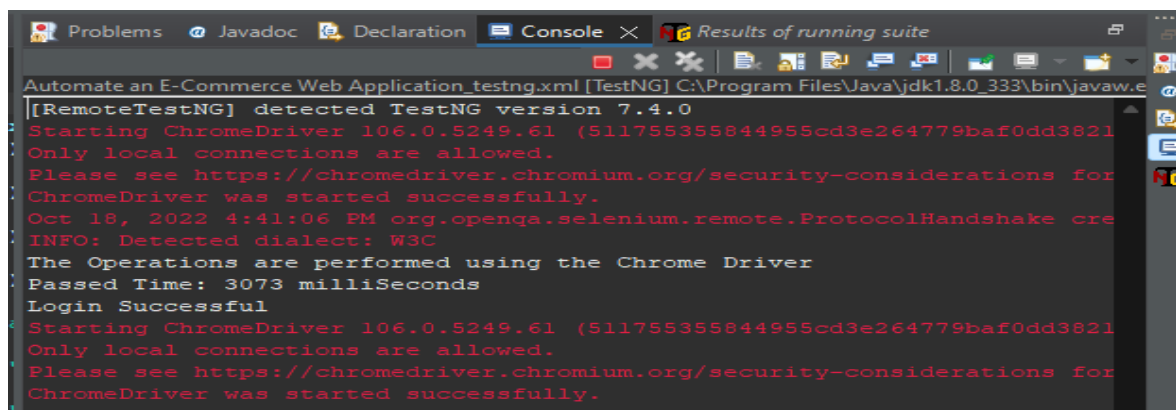
Maximizes to full width display



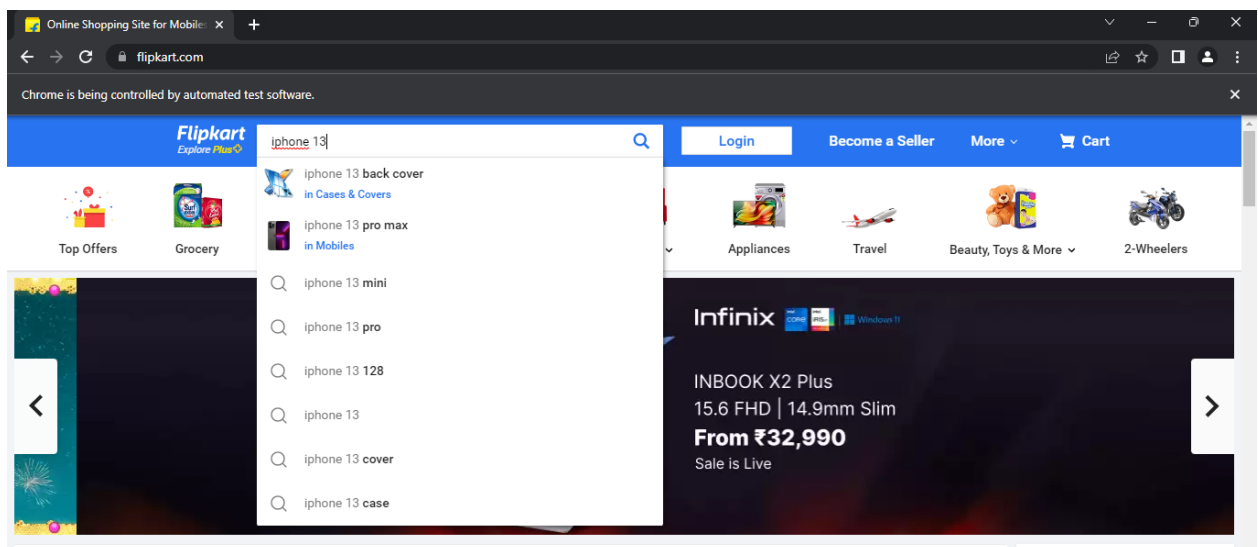
Displaying User Log in process



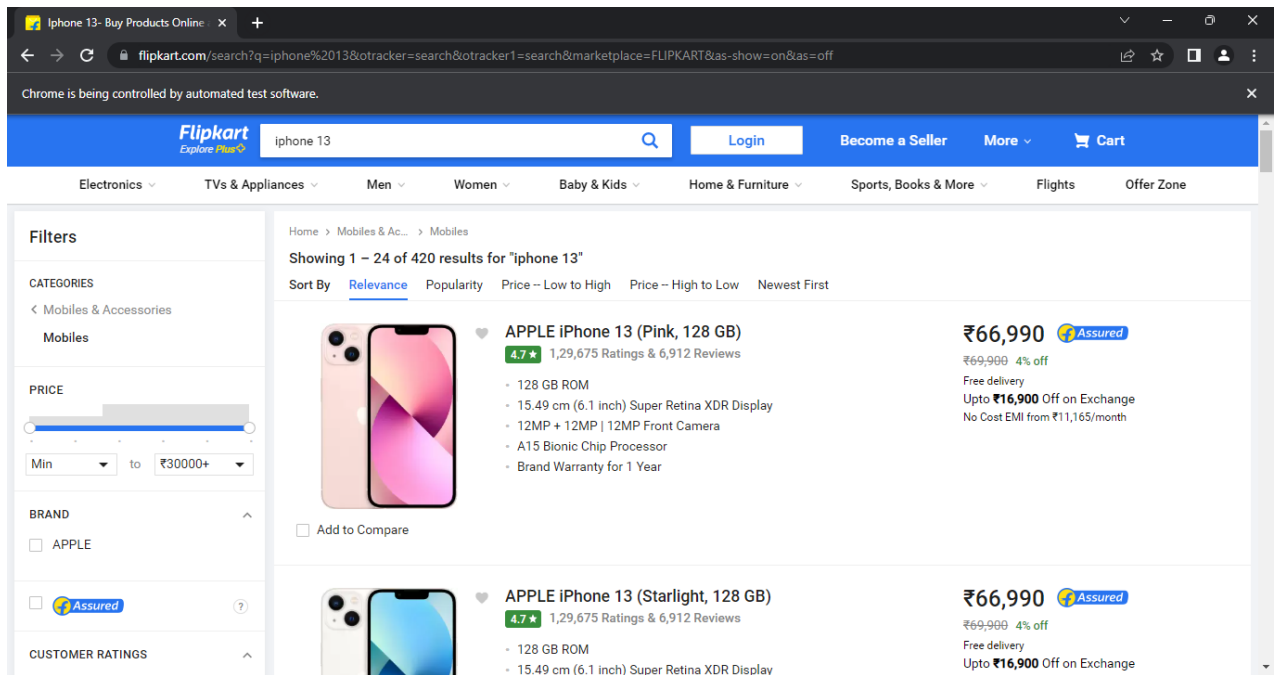
Displaying the user's home page after successful logging in



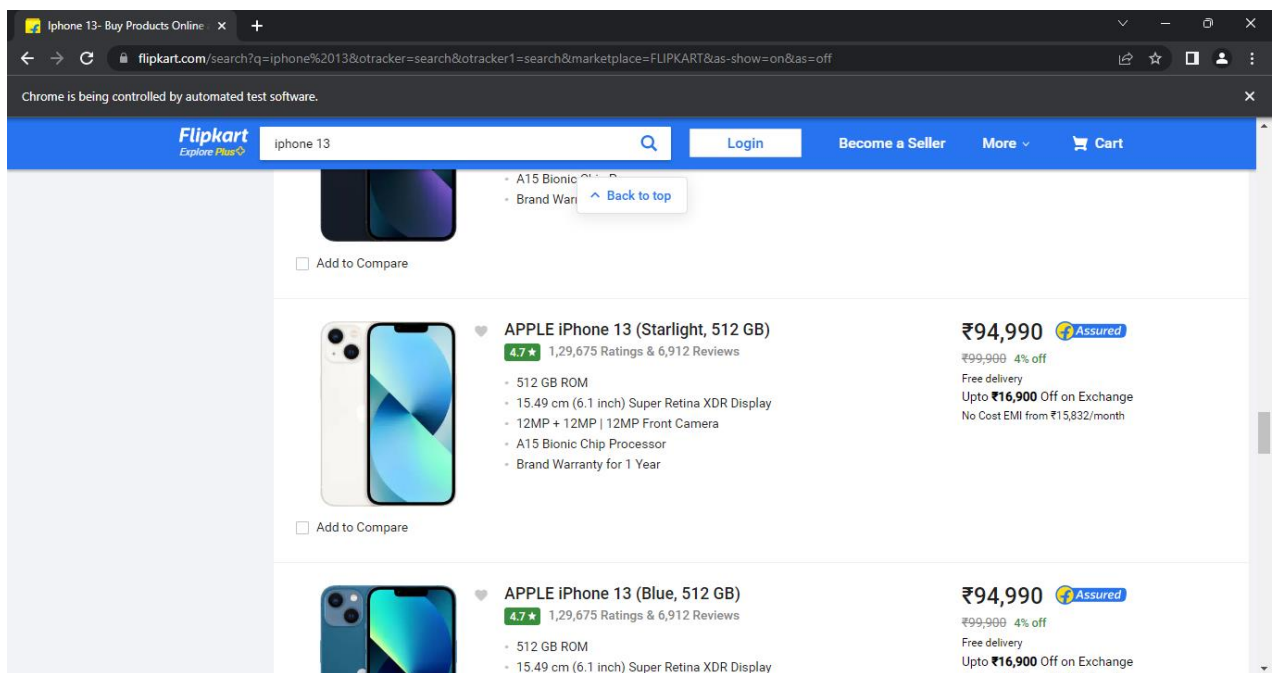
Displaying the total load time to process and show the contents of Flipkart application



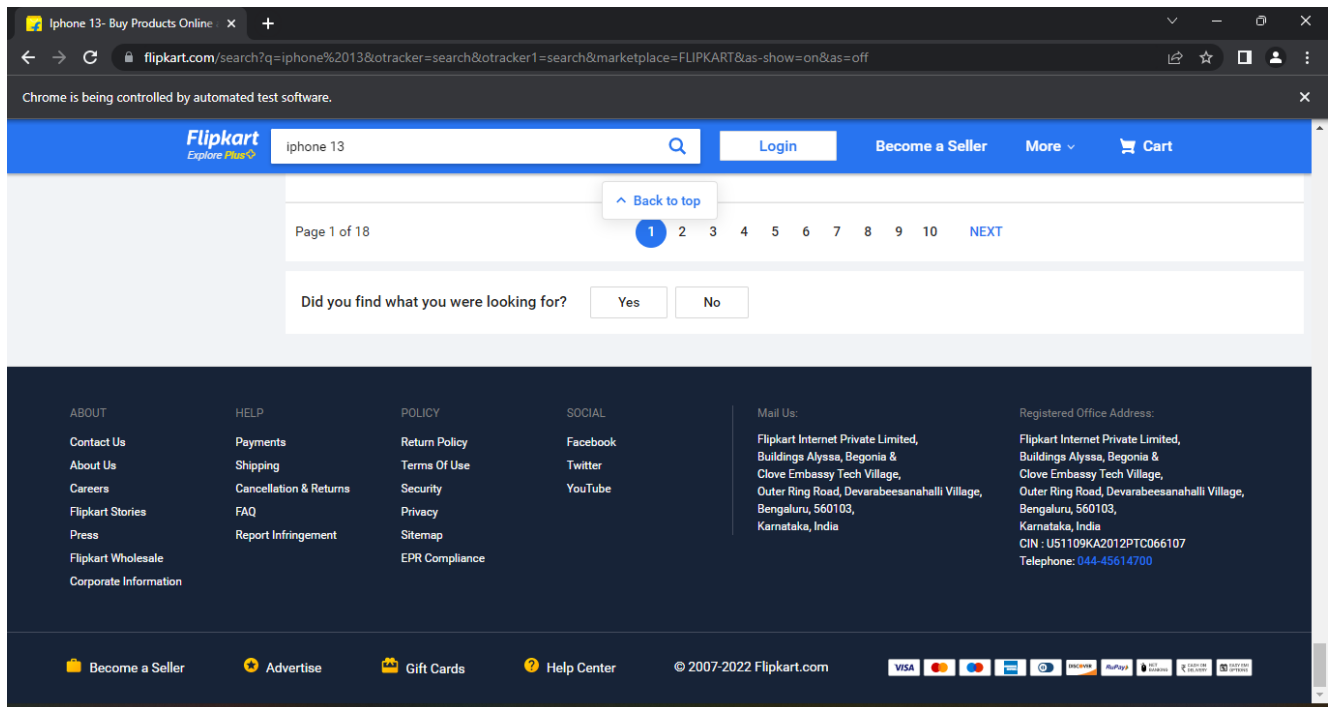
Searching for the product in Search Bar



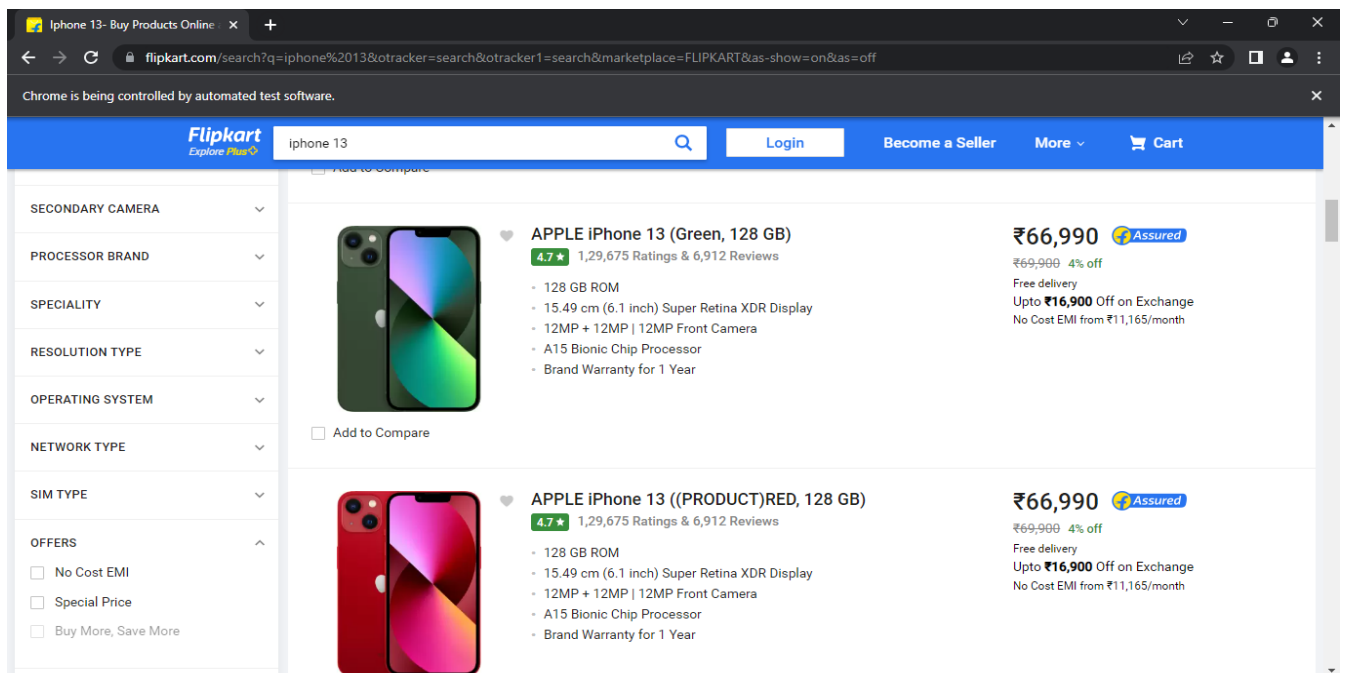
Displays all the products in the list that matches the text iphone 13



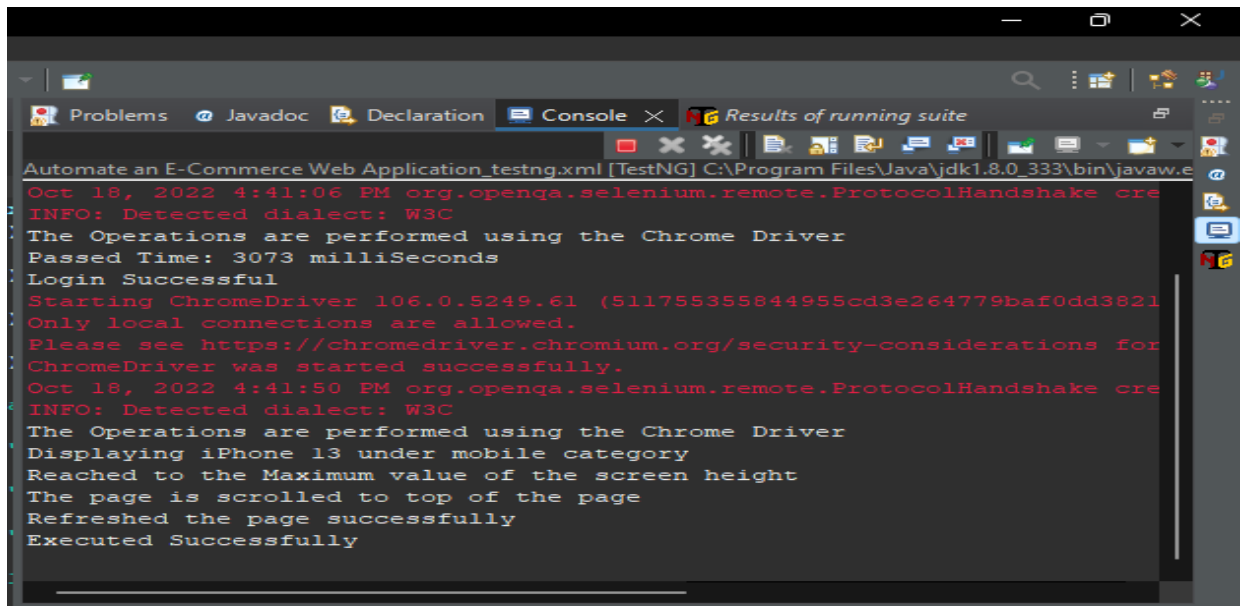
Scroll down feature is active after the images being loaded to view all the products that exists in the list



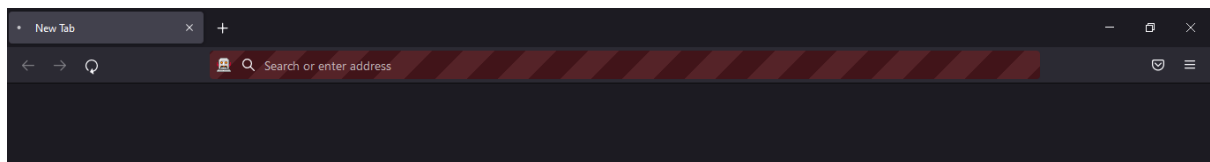
Displaying the bottom of the page height after scroll by method implemented



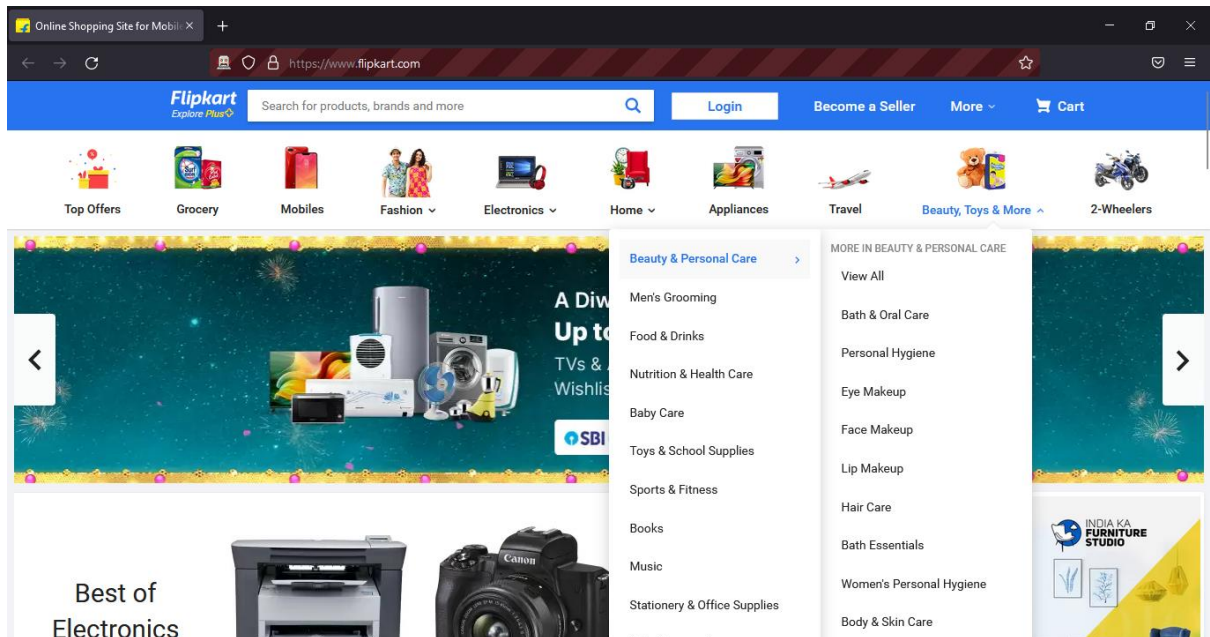
The page is scrolled to the top after the bottom height is reached



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

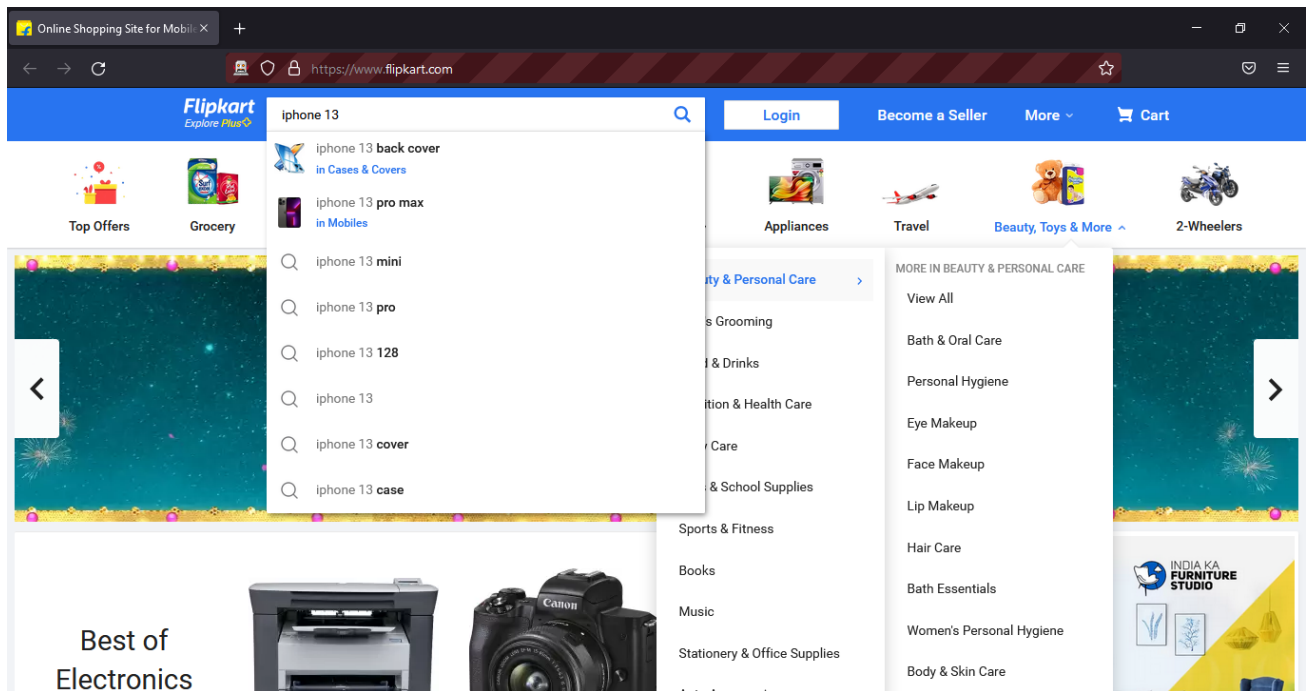


Automation of Flipkart application using Firefox (gecko) driver on Firefox browser

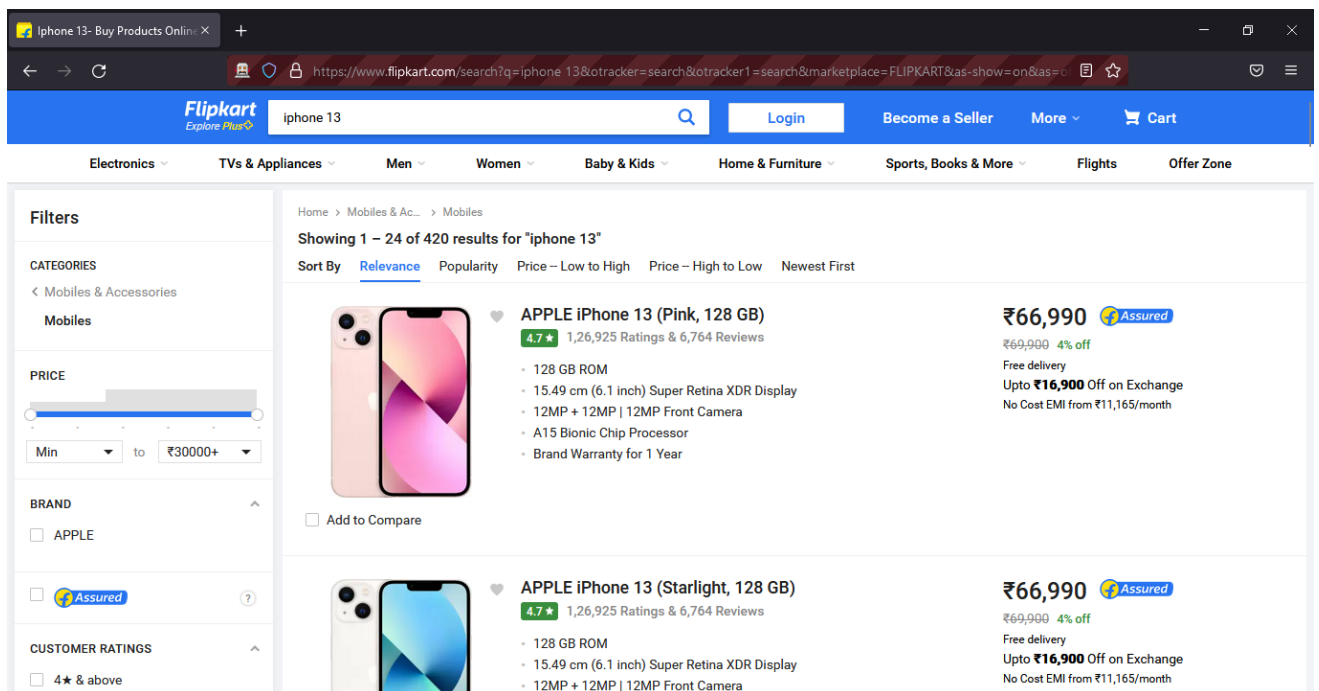


Displaying Flipkart home page in Firefox browser, the login process is cancelled

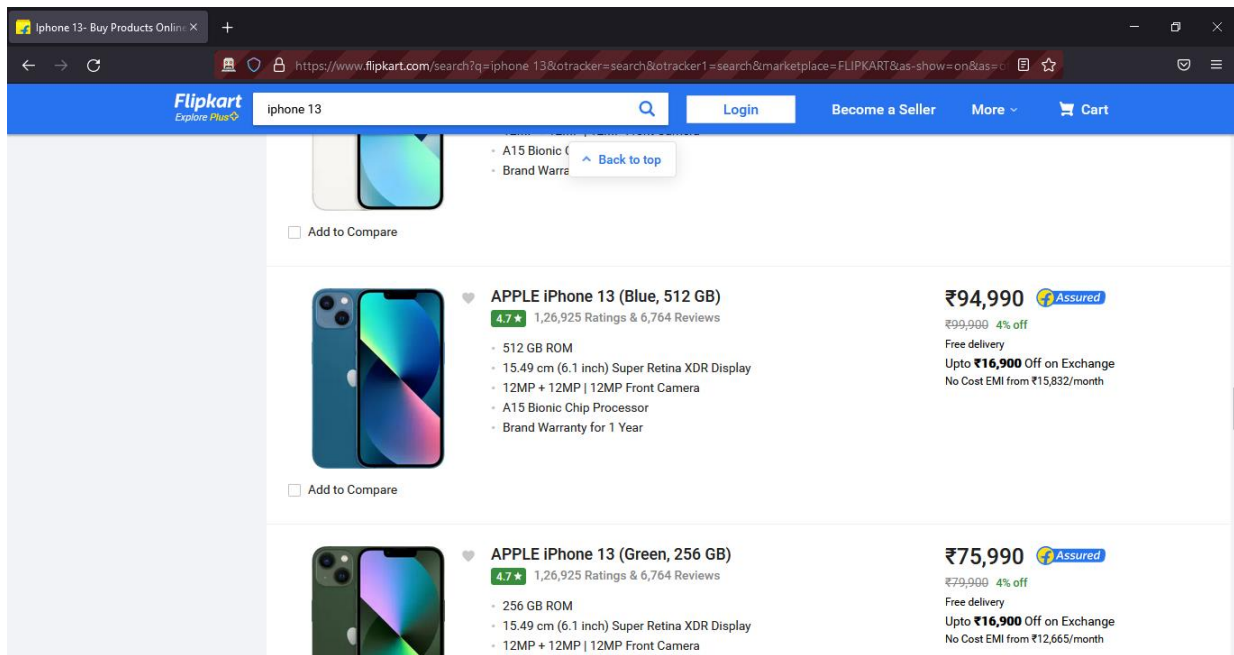




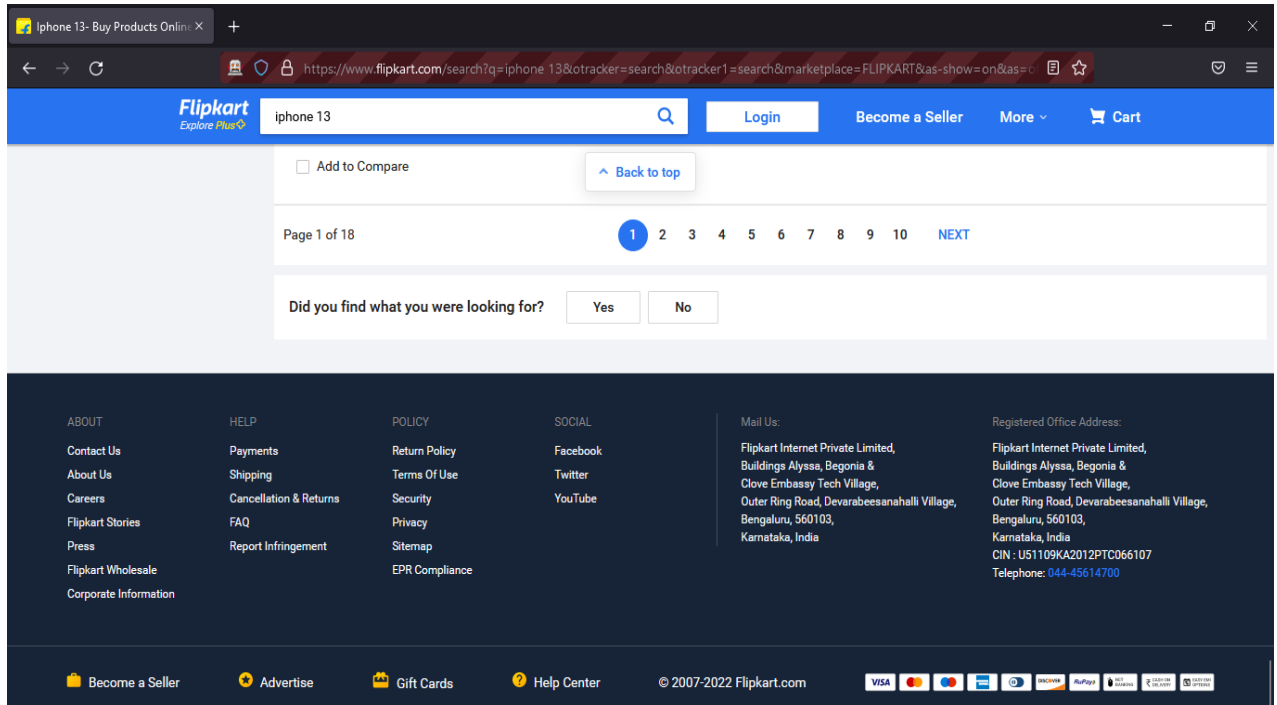
Searching for the iphone 13 in the Search bar



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

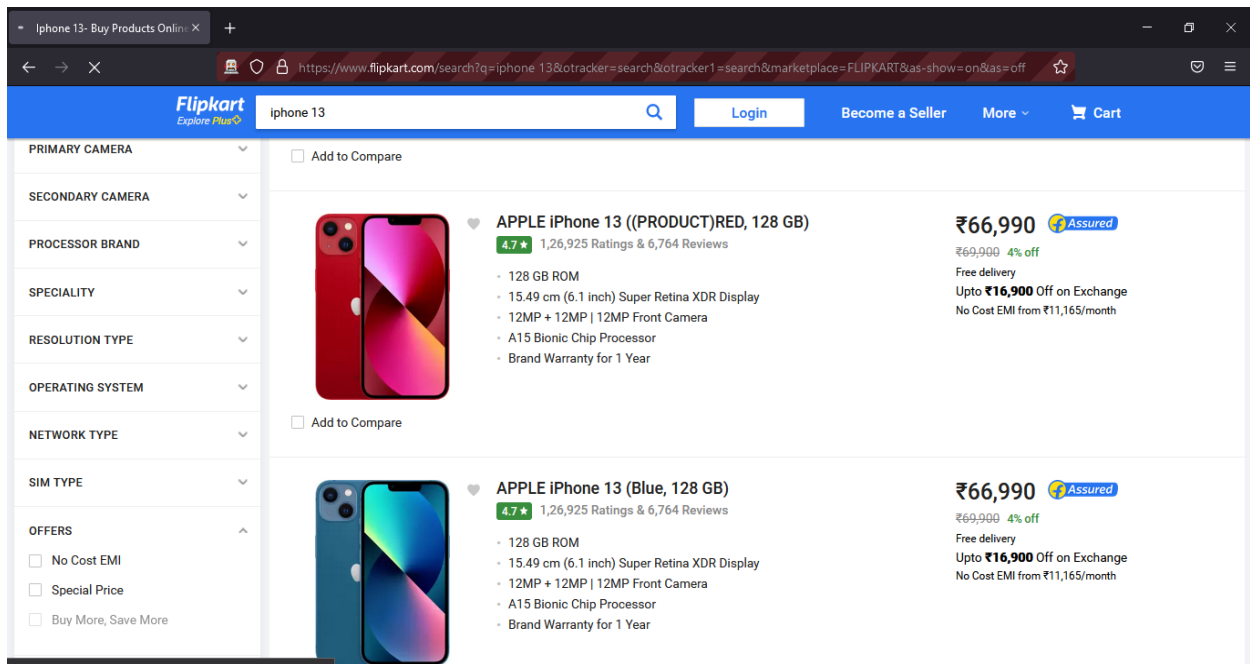


Scroll feature is active on the Firefox browser



The page is scrolled till the page height





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

## Test Results in the console

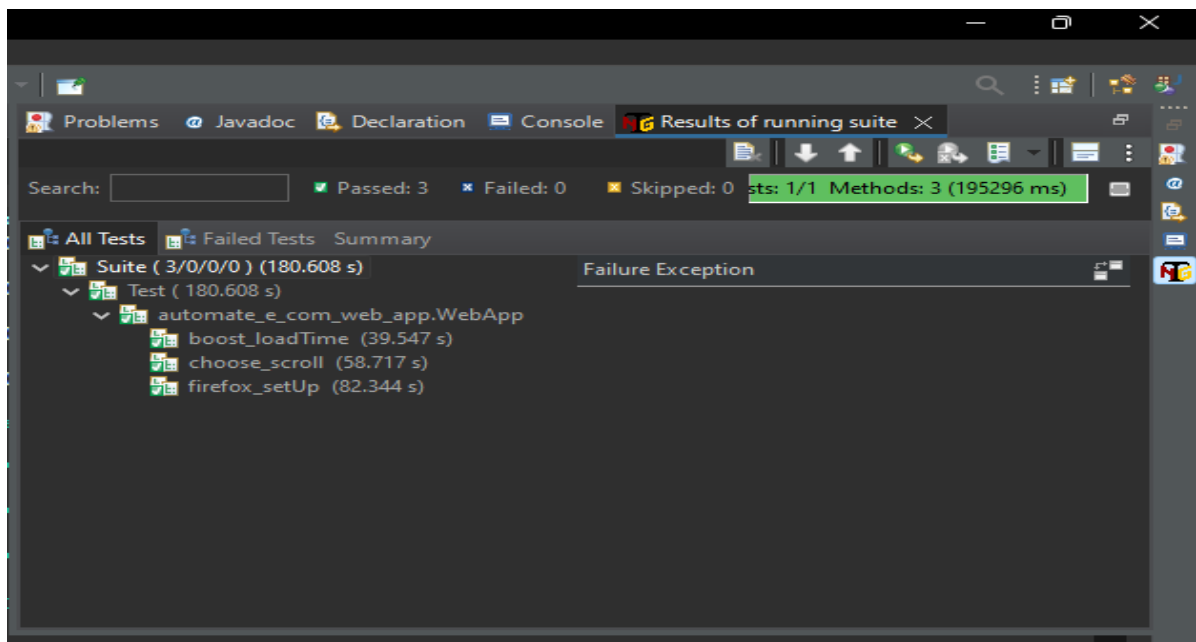
```

<terminated> Automate an E-Commerce Web Application_testng.xml [TestNG] C:\Program Files\Java\jdk1.8.0_3
Firefox driver started
JavaScript warning: https://static-assets-web.flixcart.com/px/gNtT1i3A/i
console.warn: LoginRecipes: "Falling back to a synchronous message for:
console.warn: LoginRecipes: "Falling back to a synchronous message for:
Displaying iPhone 13 under mobile category
Reached to the Maximum value of the screen height
The page is scrolled to top of the page
Refreshed the page successfully
Executed Successfully
1666091655620 Marionette INFO Stopped listening on port 53024
[Parent 21408, IPC I/O Parent] WARNING: file /builds/worker/checkouts/ge

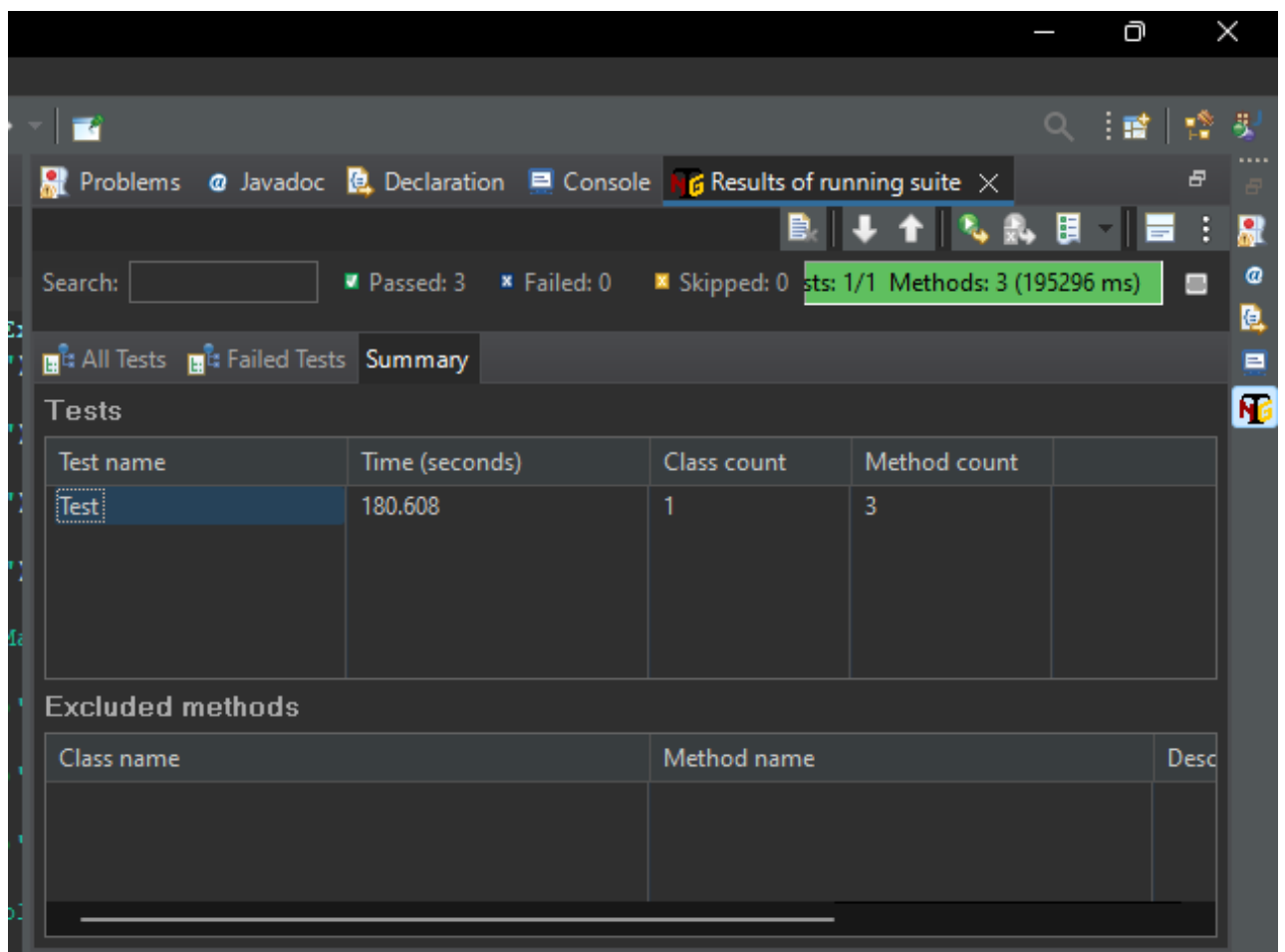
=====
Suite
Total tests run: 3, Passes: 3, Failures: 0, Skips: 0
=====

```

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



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



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