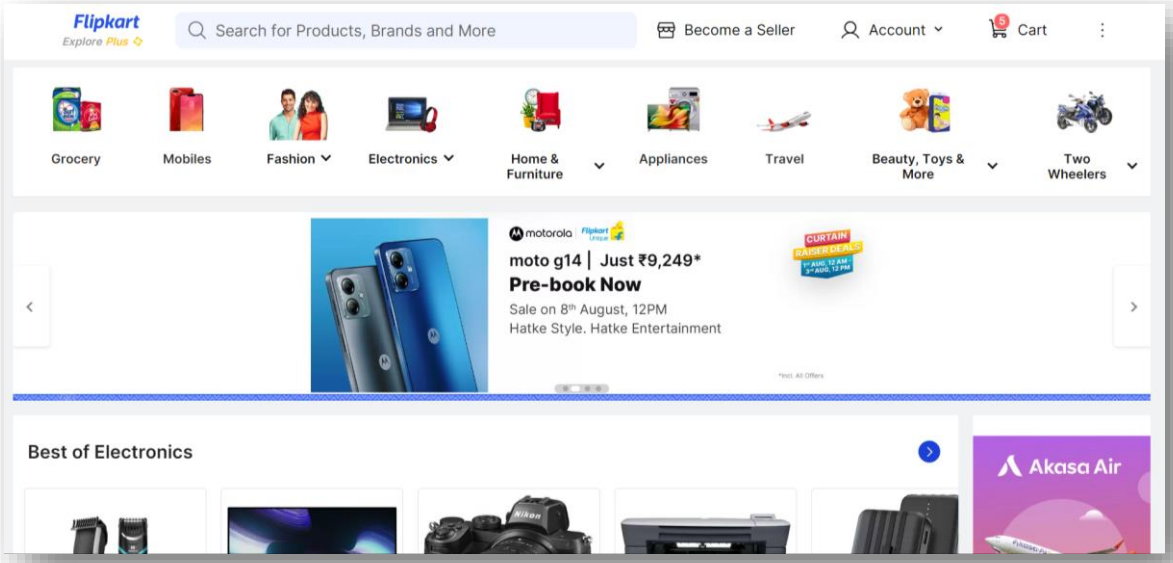
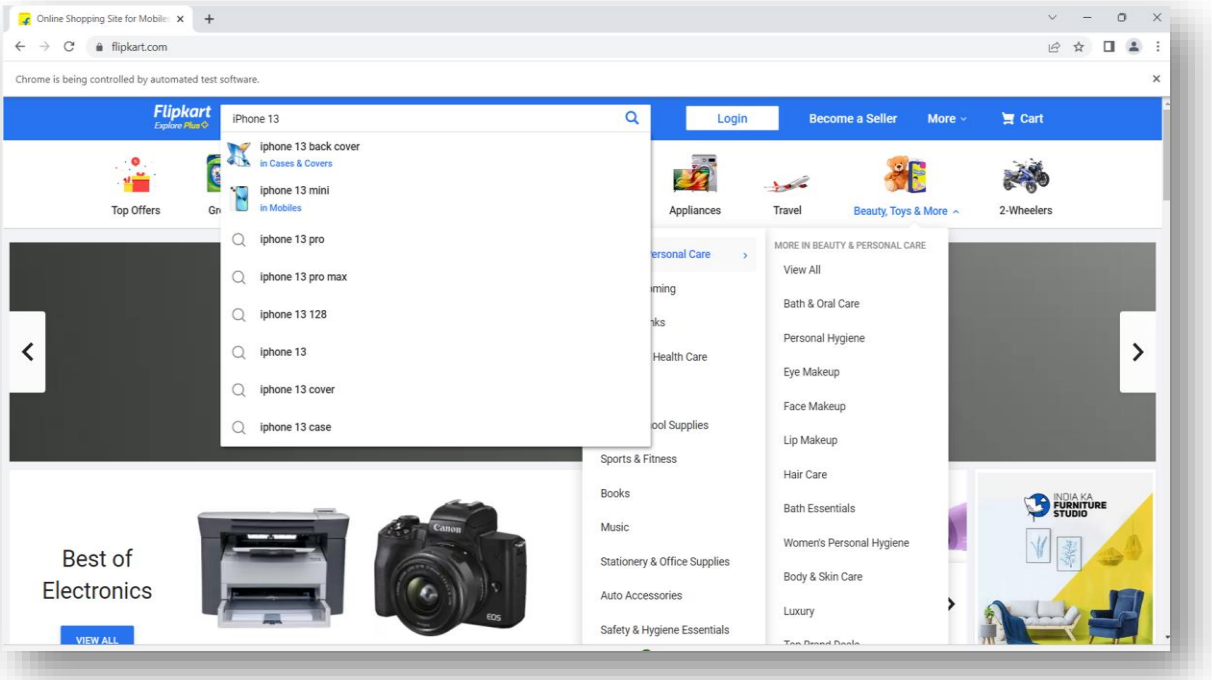
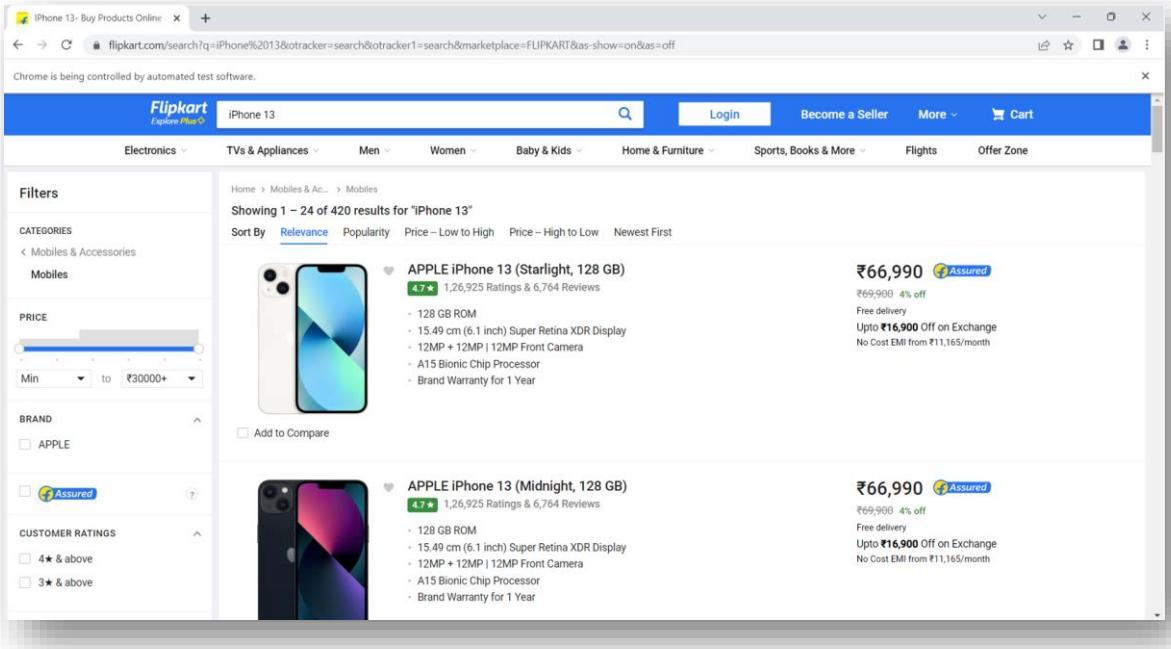
Output for Automate an E-Commerce Web Application

- **Flipkart is an e-commerce platform (https://www.flipkart.com/)**



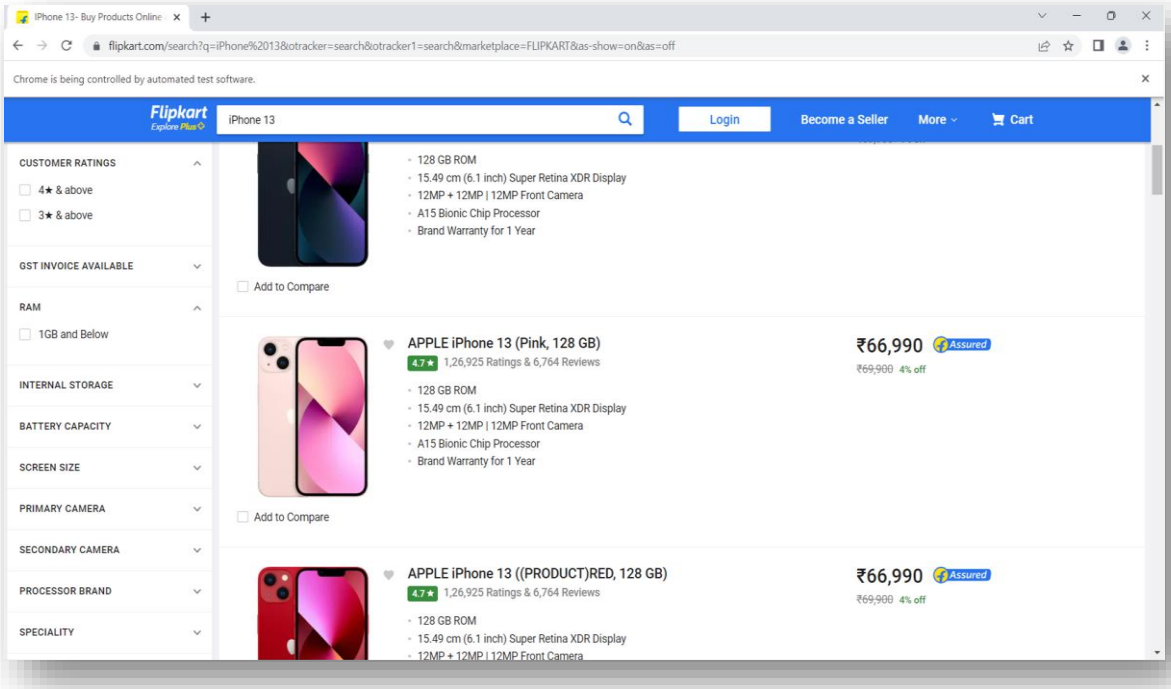
- Navigate to the Flipkart homepage (https://www.flipkart.com/)
- Determine a page load time with a performance test
- Search for a product, say, “iPhone 13” under the “Mobile” category
- Check if the images are loaded and visible till the screen height only





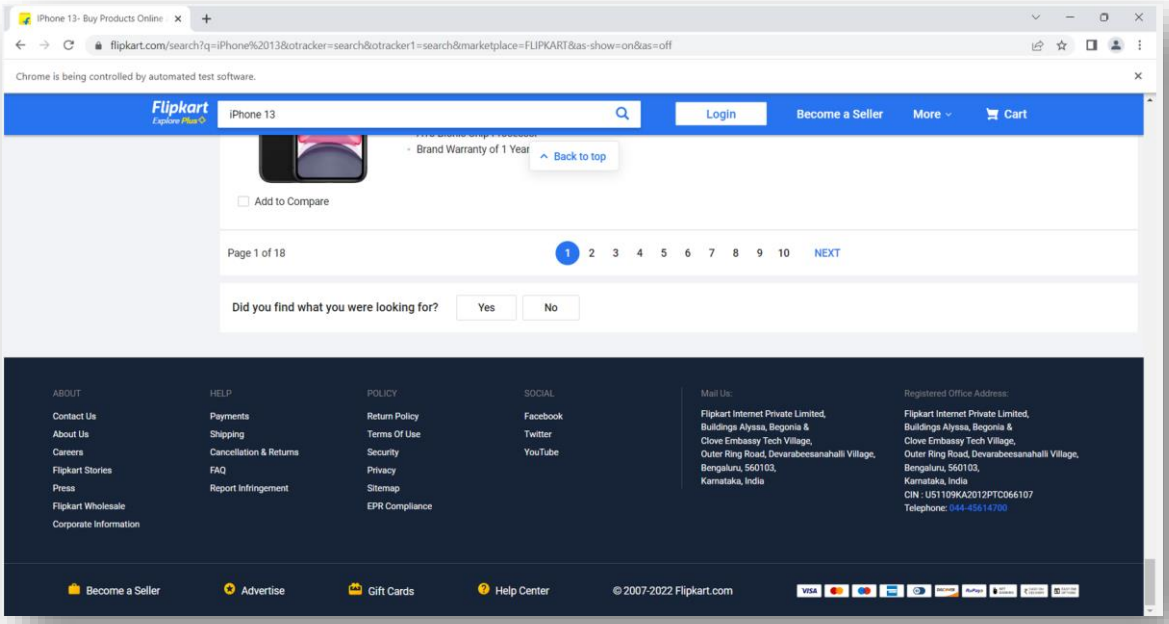

```
[RemoteTestNG] detected TestNG version 7.6.1
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
Jul 31, 2023 12:57:15 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 12:57:18 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
Page load time: 28633 milliseconds
Jul 31, 2023 12:57:48 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 12:57:50 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
Search performed for 'iPhone 13 Mobile'.
Jul 31, 2023 12:58:42 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 12:58:45 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
Image is loaded and visible within the screen height.
```

- Check if the page has a scroll feature
- Check the frequency at which the content will be refreshed while scrolling
- Verify that the image is downloaded just before the user scrolls to its position and gets displayed in time




```
Jul 31, 2023 12:59:13 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 12:59:15 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
The page has a scroll feature.
Jul 31, 2023 1:00:05 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 1:00:10 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
The content is refreshed while scrolling
Jul 31, 2023 1:00:56 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 1:00:58 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
Image is lazy loaded and displayed on the page.
```

- Verify that it navigates to the bottom of the page
- Check whether different browsers and screen resolutions render it the same way




```
Jul 31, 2023 1:01:41 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 1:01:43 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
The page has scrolled to the bottom.
Jul 31, 2023 1:02:13 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 1:02:16 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
Jul 31, 2023 1:02:16 PM org.openqa.selenium.remote.service.DriverService$Builder getLogOutput
INFO: Driver logs no longer sent to console by default; https://www.selenium.dev/documentation/webdriver/drivers/service/#setting-log-output
Jul 31, 2023 1:02:22 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 115, so returning the closest version found: 114
Testing with screen resolution: 1366x768
Testing with screen resolution: 1920x1080
Search box is displayed in Microsoft Edge.
PASSED: com.ecommerce.test.FlipkartTest.testRefreshFrequency
PASSED: com.ecommerce.test.FlipkartTest.testScrollToBottom
PASSED: com.ecommerce.test.FlipkartTest.testScrollFeature
PASSED: com.ecommerce.test.FlipkartTest.testLazyLoading
PASSED: com.ecommerce.test.FlipkartTest.testSearchProduct
PASSED: com.ecommerce.test.FlipkartTest.testDifferentBrowsersAndResolutions
PASSED: com.ecommerce.test.FlipkartTest.testImagesLoadedAndVisible
PASSED: com.ecommerce.test.FlipkartTest.testPageLoadTime

===============================================
    Default test
    Tests run: 8, Failures: 0, Skips: 0
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Default suite
Total tests run: 8, Passes: 8, Failures: 0, Skips: 0
===============================================
```
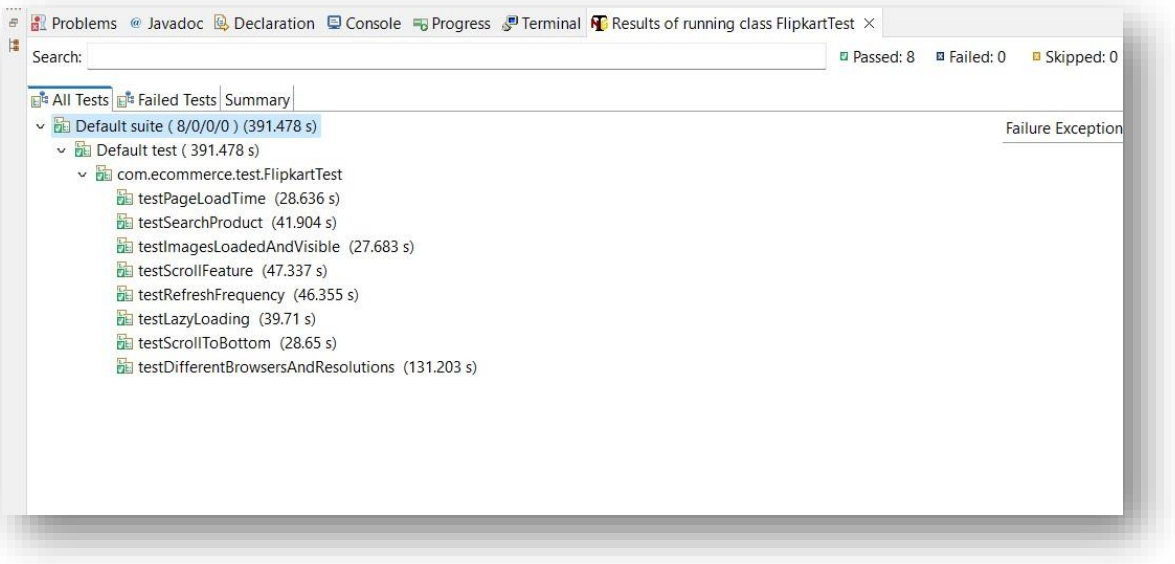

Result :


Problems
Javadoc
Declaration
Console
Progress
Terminal
Results of running class FlipkartTest
Search:
Passed: 8
Failed: 0
Skipped: 0
All Tests
Failed Tests
Summary
Default suite (8/0/0/0) (391.478 s)
Failure Exception
Default test (391.478 s)
com.ecommerce.test.FlipkartTest
testPageLoadTime (28.636 s)
testSearchProduct (41.904 s)
testImagesLoadedAndVisible (27.683 s)
testScrollFeature (47.337 s)
testRefreshFrequency (46.355 s)
testLazyLoading (39.71 s)
testScrollToBottom (28.65 s)
testDifferentBrowsersAndResolutions (131.203 s)