

2.15 Automate the Web Application

DESCRIPTION

Project objective:

Use the website link given to you and automate different functionalities for the same. Create a new project and include all the dependencies in the class path. Create a Java class that will contain your automation and test scripts. Run the project using TestNG.

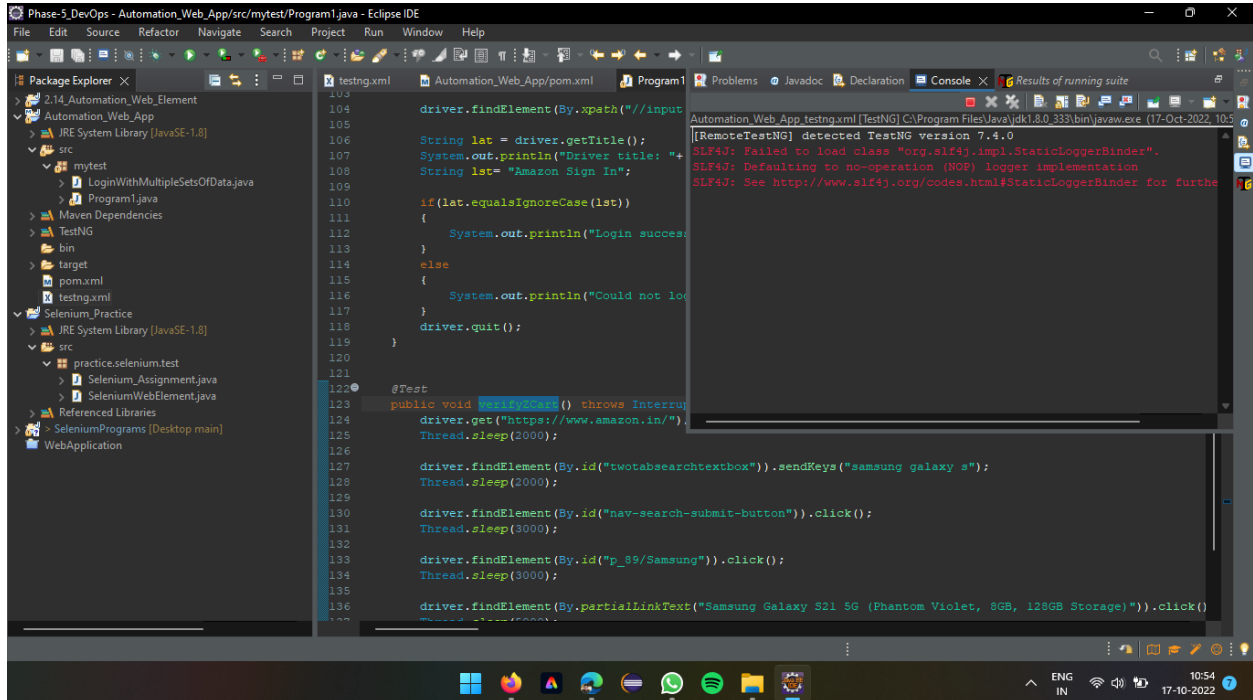
Output of Console

```
[RemoteTestNG] detected TestNG version 7.4.0
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.
Starting ChromeDriver 106.0.5249.61
(511755355844955cd3e264779baf0dd38212a4d0-refs/branch-heads/5249@{#569}) on
port 53272
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for
suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Oct 17, 2022 10:54:26 AM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected upstream dialect: W3C
Oct 17, 2022 10:54:26 AM org.openqa.selenium.devtools.CdpVersionFinder
findNearestMatch
INFO: Found exact CDP implementation for version 106
If the Logo matches, prints as true else false: true
Starting ChromeDriver 106.0.5249.61
(511755355844955cd3e264779baf0dd38212a4d0-refs/branch-heads/5249@{#569}) on
port 57509
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for
suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Oct 17, 2022 10:54:33 AM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected upstream dialect: W3C
Oct 17, 2022 10:54:33 AM org.openqa.selenium.devtools.CdpVersionFinder
findNearestMatch
INFO: Found exact CDP implementation for version 106
Driver title: Authentication required
Registration successfully
Starting ChromeDriver 106.0.5249.61
(511755355844955cd3e264779baf0dd38212a4d0-refs/branch-heads/5249@{#569}) on
port 50692
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for
suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
```

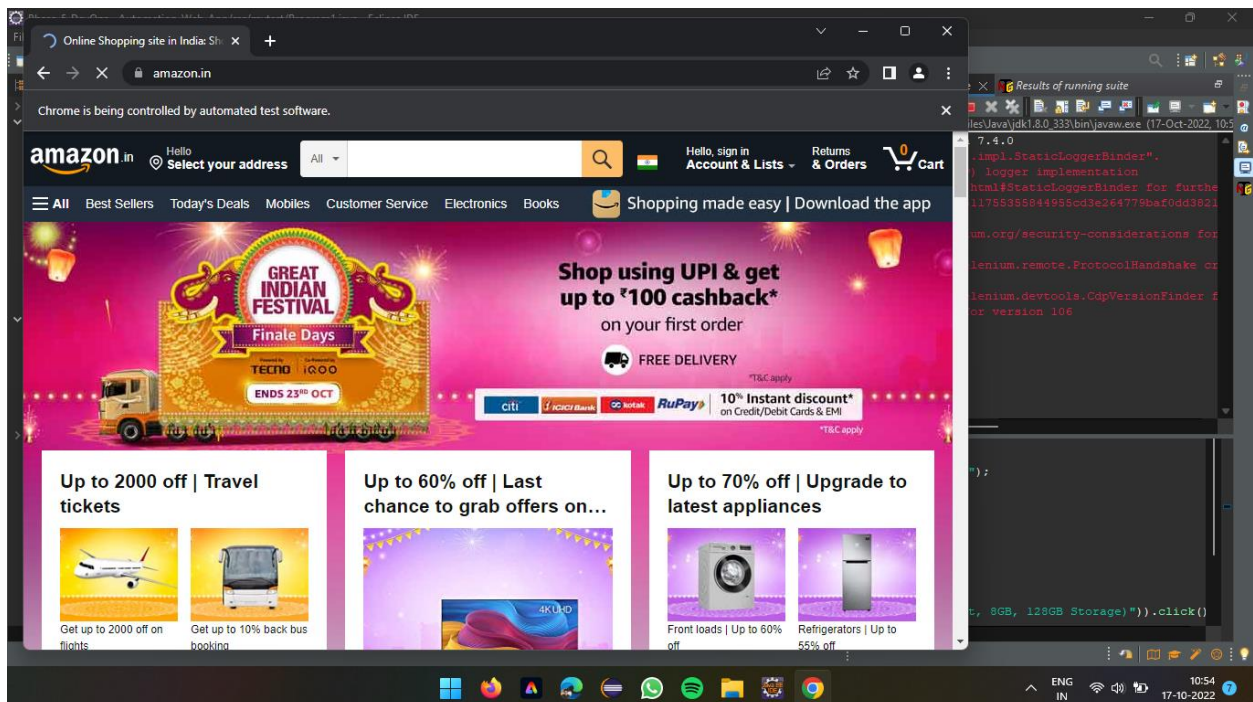
```
Oct 17, 2022 10:54:56 AM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected upstream dialect: W3C
Oct 17, 2022 10:54:56 AM org.openqa.selenium.devtools.CdpVersionFinder
findNearestMatch
INFO: Found exact CDP implementation for version 106
The titles does not match with each other
Starting ChromeDriver 106.0.5249.61
(511755355844955cd3e264779baf0dd38212a4d0-refs/branch-heads/5249@{#569}) on
port 63161
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for
suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Oct 17, 2022 10:55:02 AM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected upstream dialect: W3C
Oct 17, 2022 10:55:02 AM org.openqa.selenium.devtools.CdpVersionFinder
findNearestMatch
INFO: Found exact CDP implementation for version 106
Driver title: Amazon Sign In
Login successfully
Starting ChromeDriver 106.0.5249.61
(511755355844955cd3e264779baf0dd38212a4d0-refs/branch-heads/5249@{#569}) on
port 52008
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for
suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Oct 17, 2022 10:55:20 AM org.openqa.selenium.remote.ProtocolHandshake
createSession
INFO: Detected upstream dialect: W3C
Oct 17, 2022 10:55:20 AM org.openqa.selenium.devtools.CdpVersionFinder
findNearestMatch
INFO: Found exact CDP implementation for version 106
Driver is exited, process execution is successful
```

```
=====
Suite
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0
=====
```

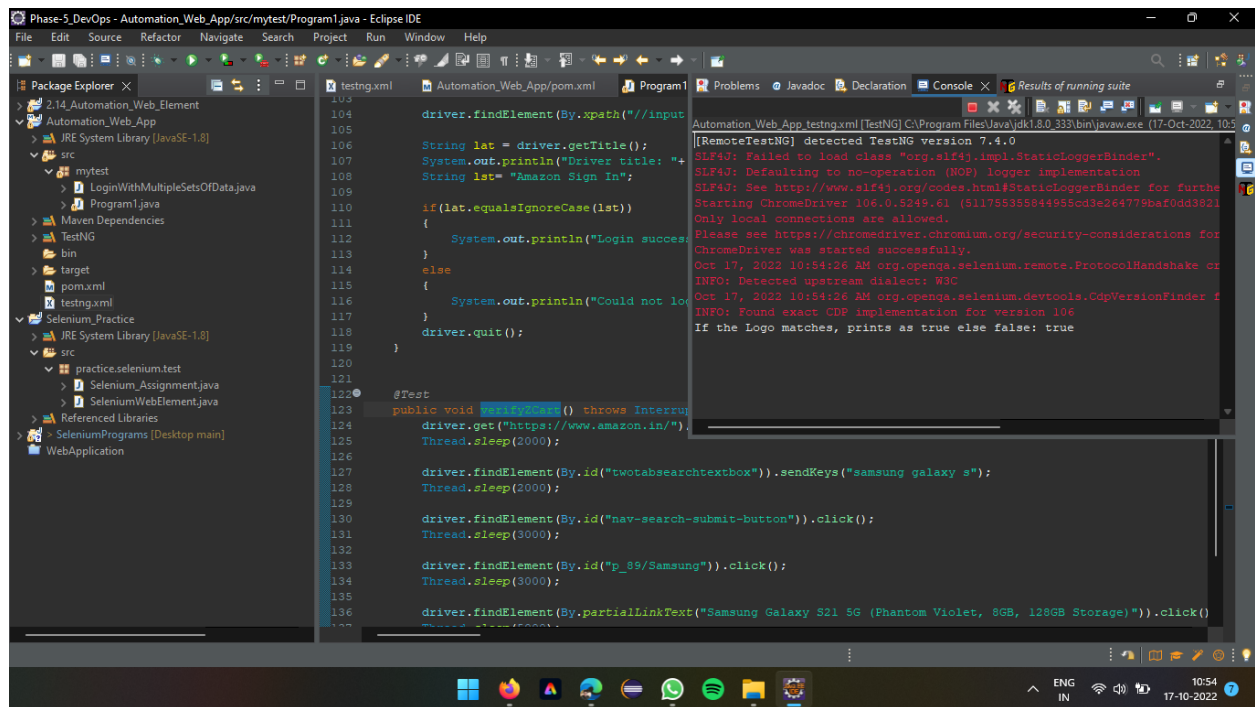
Screenshots



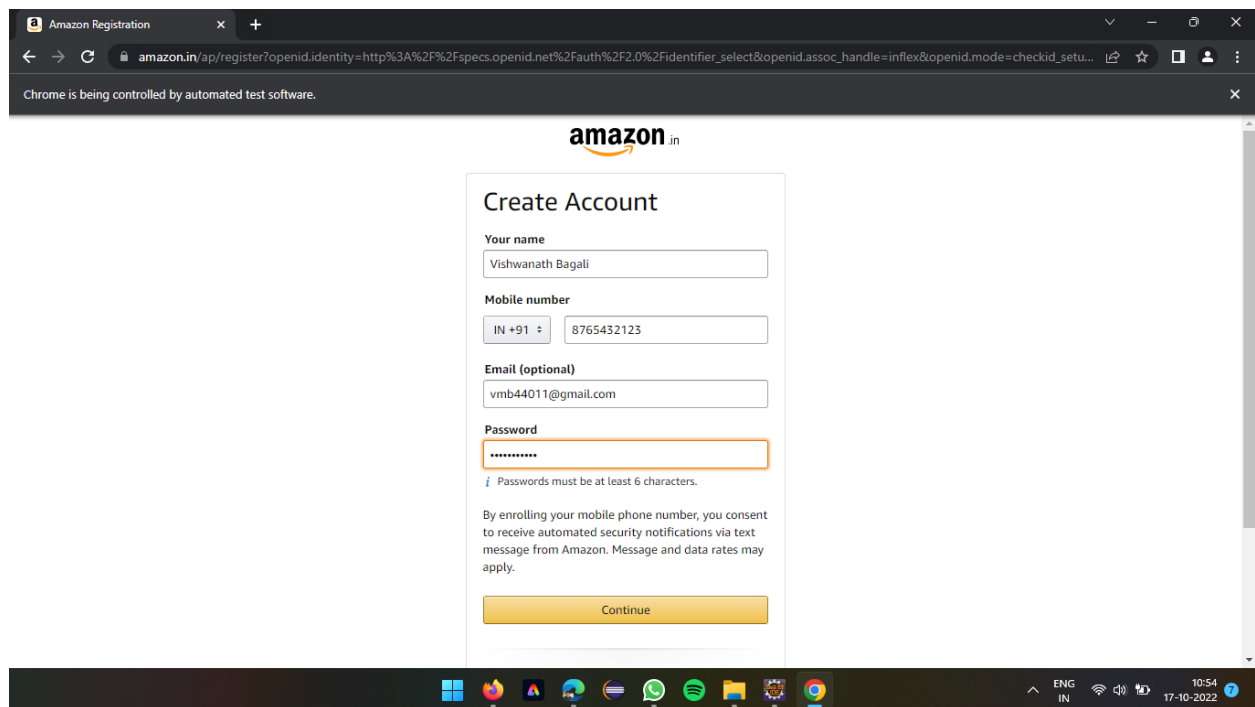
Start of Chrome WebDriver



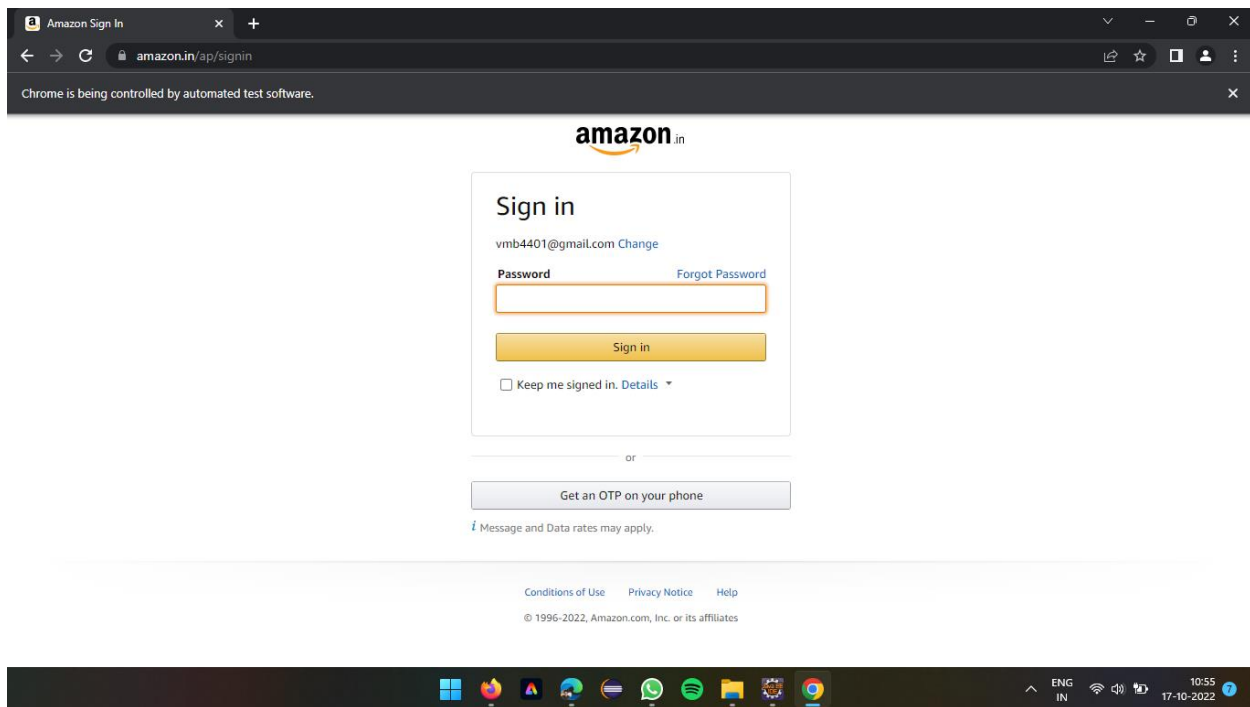
Automation process began



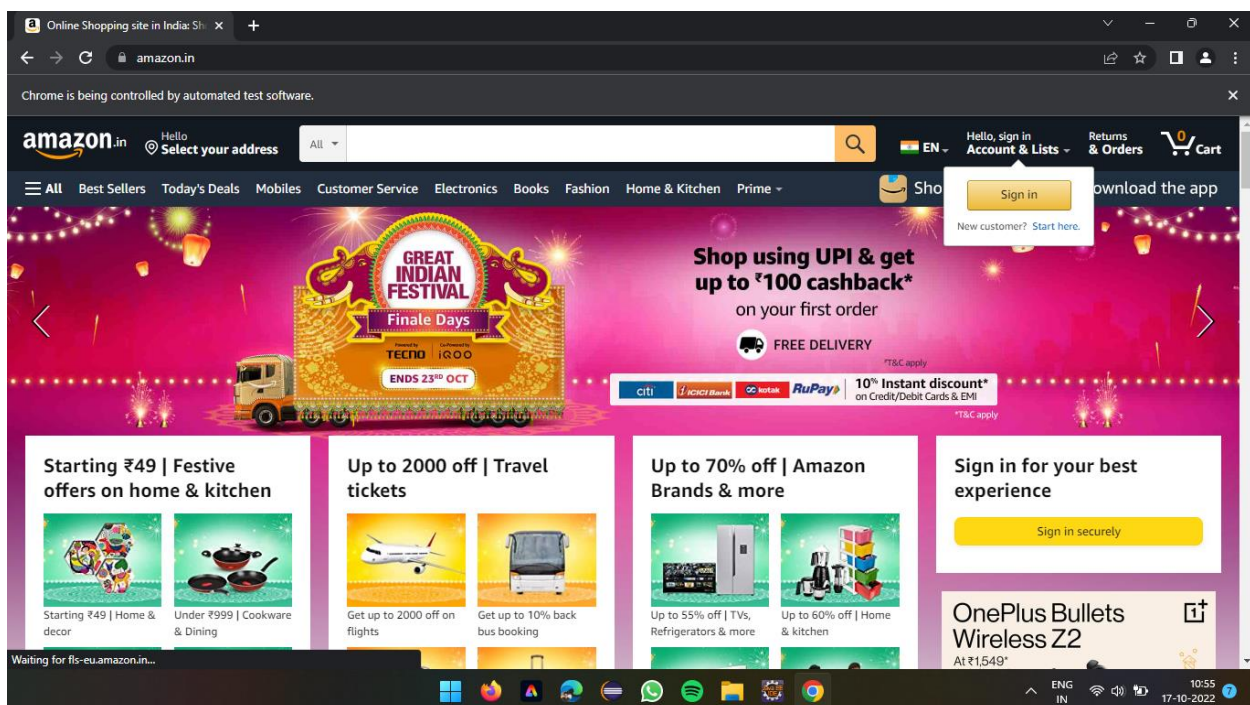
Output of matching the logo, flag returns true as match is found with defined condition



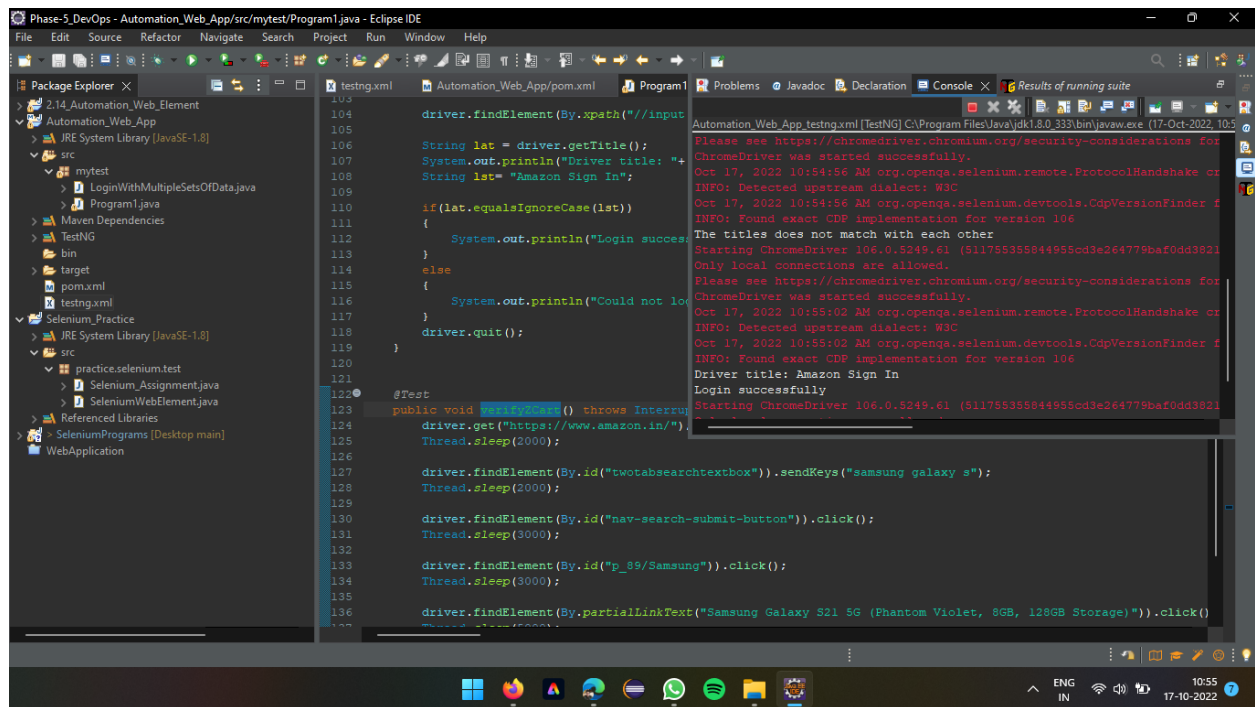
Automation of Amazon's Registration Page, all the data are filled as per the instructions provided



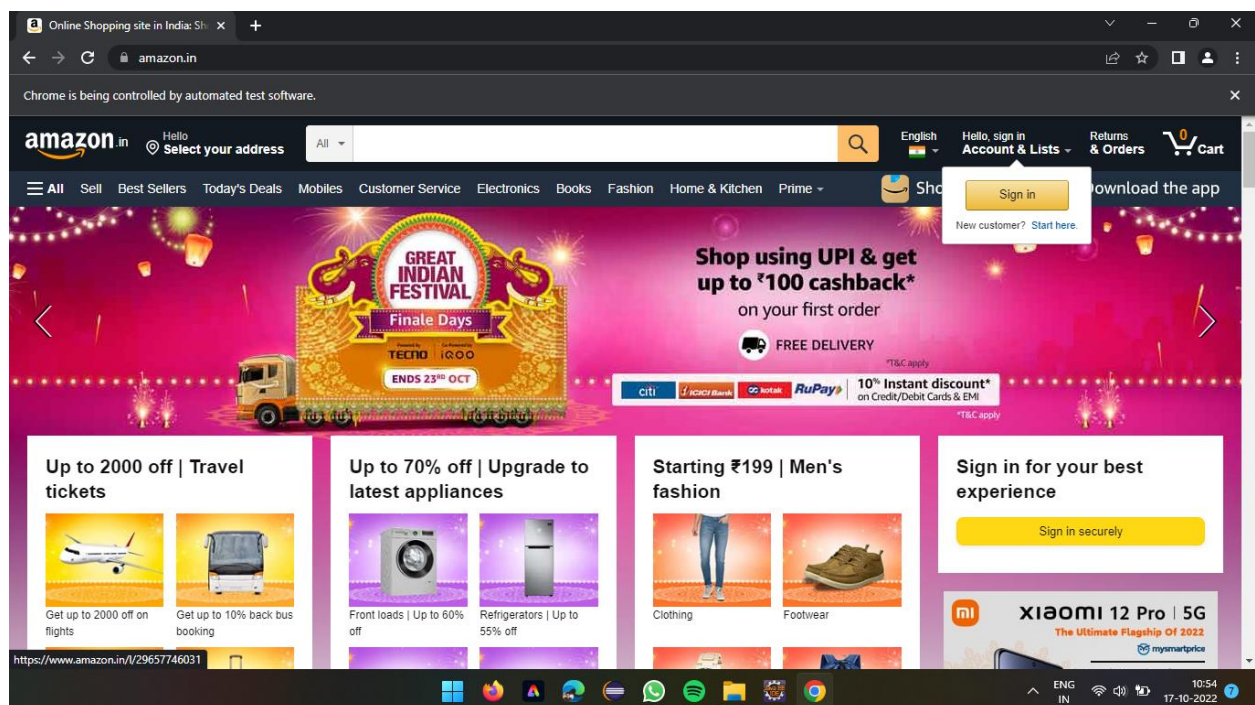
The username or email is validated, so the page gets redirected to the Password authentication



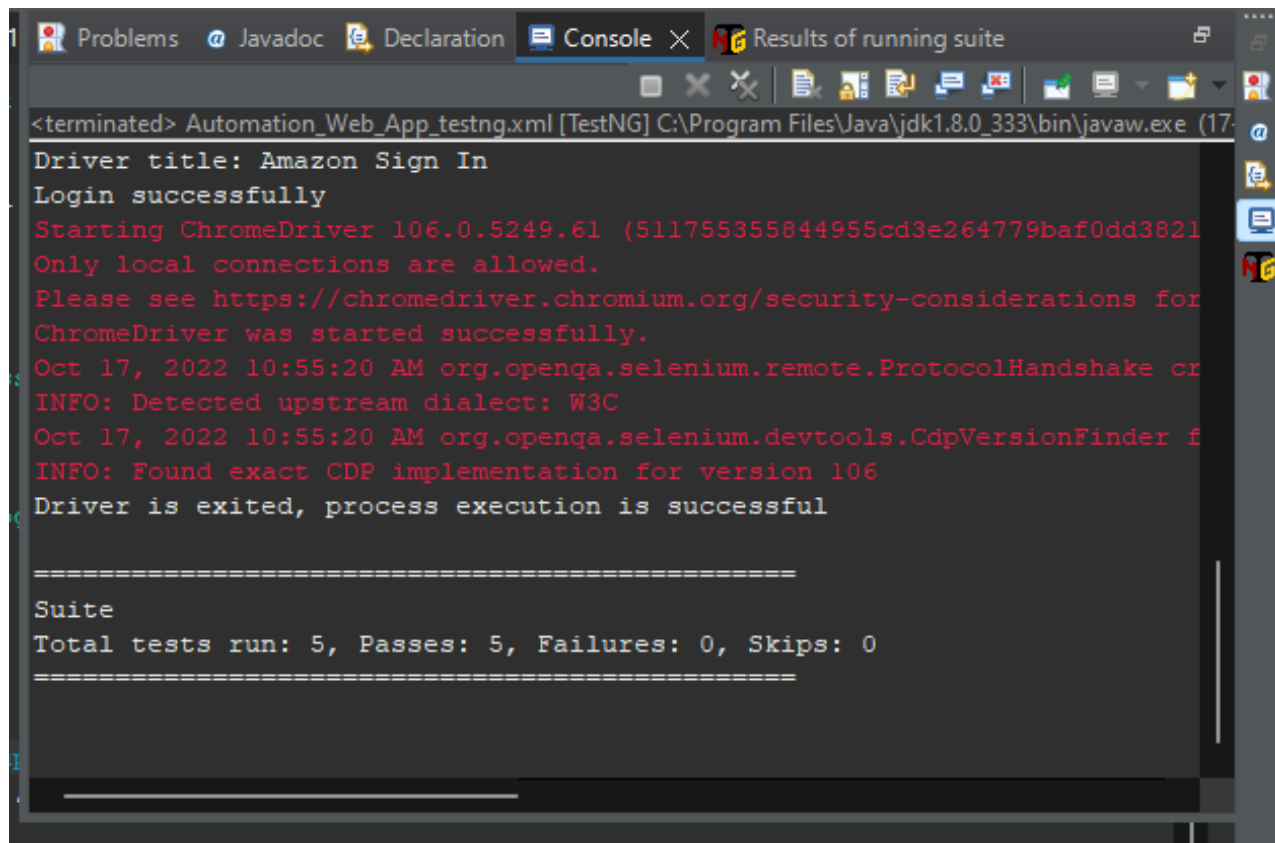
Running of Amazon website to check the Title match of the Website



The title did not get matched, so the result is displayed for the same



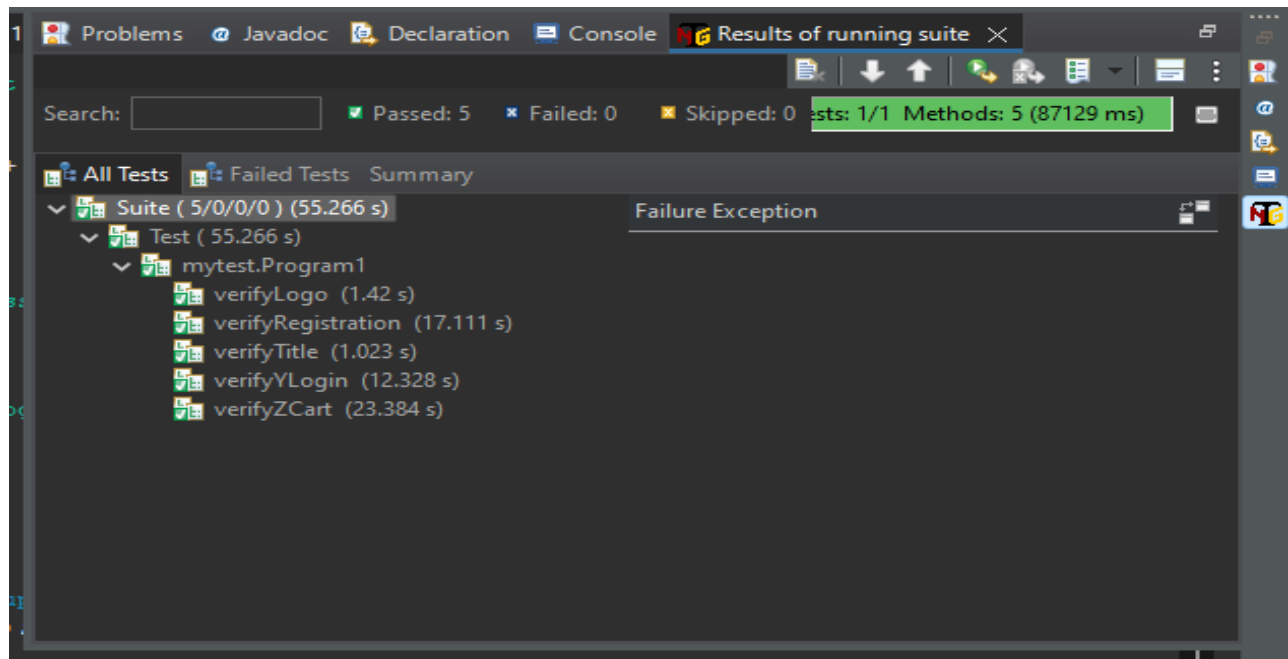
Running the Add to cart menu of Amazon page



```
<terminated> Automation_Web_App_testng.xml [TestNG] C:\Program Files\Java\jdk1.8.0_333\bin\javaw.exe (17.
Driver title: Amazon Sign In
Login successfully
Starting ChromeDriver 106.0.5249.61 (511755355844955cd3e264779baf0dd3821
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for
ChromeDriver was started successfully.
Oct 17, 2022 10:55:20 AM org.openqa.selenium.remote.ProtocolHandshake cr
INFO: Detected upstream dialect: W3C
Oct 17, 2022 10:55:20 AM org.openqa.selenium.devtools.CdpVersionFinder f
INFO: Found exact CDP implementation for version 106
Driver is exited, process execution is successful

=====
Suite
Total tests run: 5, Passes: 5, Failures: 0, Skips: 0
=====
```

Result of console after all the tests run and completed successfully



Search: Passed: 5 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 5 (87129 ms)

All Tests **Failed Tests** **Summary**

- ✓ Suite (5/0/0/0) (55.266 s)
 - ✓ Test (55.266 s)
 - mytest.Program1
 - ✓ verifyLogo (1.42 s)
 - ✓ verifyRegistration (17.111 s)
 - ✓ verifyTitle (1.023 s)
 - ✓ verifyYLogin (12.328 s)
 - ✓ verifyZCart (23.384 s)

Failure Exception

Results of running suite after all the tests completion

1 Problems Javadoc Declaration Console Results of running suite X

Search: Passed: 5 Failed: 0 Skipped: 0 Tests: 1/1 Methods: 5 (87129 ms)

All Tests Failed Tests Summary

Tests

Test name	Time (seconds)	Class count	Method count	
Test	55.266	1	5	

Excluded methods

Class name	Method name	Desc

Summary of complete Test, time taken, number of methods