

NOTES

- The project uses Selenium with Java 11, Maven & TestNG.
- Prerequisite installation:
 1. Java 11
 2. Any IDE (IntelliJ, Elipse). I use IntelliJ
 3. Lombok plugin
- The source code is tested with FireFox, Chrome, IE & Edge. So, please download appropriate Selenium WebDriver for your OS & put it in folder "drivers" with correct name:

Selenium WebDriver	WebDriver filename to run code
Geckodrive for Firefox	geckodriver.exe
Chrome	chromedriver.exe
Internet Explorer	IEDriverServer.exe
Edge	msedgedriver.exe

- Configuration saves on file .env.
 - TESTING_BROWSER param for the browser you'd like to run test. It's from BrowserType.class

Browser to run test	Value for param TESTING_BROWSER
Firefox	firefox
Chrome	chrome
Edge	MicrosoftEdge
IE	internet explorer

- LOGIN_NAME & PASSWORD for account to login & run testcases for Shopping & Product
- Data provider for the test data saves on src/test/java/com/saucedemo/dataProvider
- Folder "logs" will have Log4j2 files after each execution
- Extent Report v5 for test report. After running, it'll generate a report file in folder Reporter. I leave latest reports for last time executed on browsers.

Report file	Executed on / Note
Jun16_2021_15_39_09.html	Firefox
Jun16_2021_15_41_43.html	Chrome
Jun16_2021_14_06_46.html	IE
Jun16_2021_13_08_57.html	Edge
Jun16_2021_15_58_52.html	Demo failed testcase with screenshot

- Update on .env file, param SPARK_REPORT_PATH for Reporter path
 - Failed test case will have screenshot.

The screenshot displays a test runner interface. On the left, a sidebar shows a list of tests, with 'DemoFailedTC_InvalidAssertion' selected. The main area shows the details of this test case. At the top, the test name 'DemoFailedTC_InvalidAssertion' is displayed in red. Below it, a status bar shows the start time '06.16.2021 15:58:55', the end time '06.16.2021 15:58:55', the duration '00:00:00:179', and the test ID '#test-id=1'. A message states 'Testcase failed with screenshot'. Below this, a button labeled 'base64 img' is circled in red, with a red text prompt 'Click here to view screenshot'. A table below shows the test execution details:

STATUS	TIMESTAMP	DETAILS
Info	3:58:55 PM	Method: com.saucedemo.test.DemoFailedTest.failedDemo
Info	3:58:55 PM	Run on: chrome, Execution time: 34 ms
Fail	3:58:55 PM	FAILED
Fail	3:58:55 PM	java.lang.AssertionError: expected [Sauce demo site] but found [Swag Labs] at org.testng.Assert.fail(Assert.java:99)

- How to run the project:
 - Open project in IDE, right click project, select Run Maven → Reimport to import dependencies
 - Build project by Run Maven → compile or type in terminal: mvn compile
 - Run file src/test/resources/TestSuite.xml