MIRO SIGN UP PAGE

AUTOMATION SOLUTION

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INTRODUCTION

This document provides details about a small test framework developed, with positive & negative / smoke & regression front-end automated test cases for Miro Sign Up Page (https://miro.com/signup/)

REQUIREMENTS

- Java 11
- Maven
- Any Browser installed (Chrome, Edge, Firefox)
- Get the solution:

  git clone https://github.com/maticardenas/miro-test-automation.git

ABOUT SOLUTION

TECHNOLOGIES

Solution has been developed using following language, frameworks and libraries:

TestNG

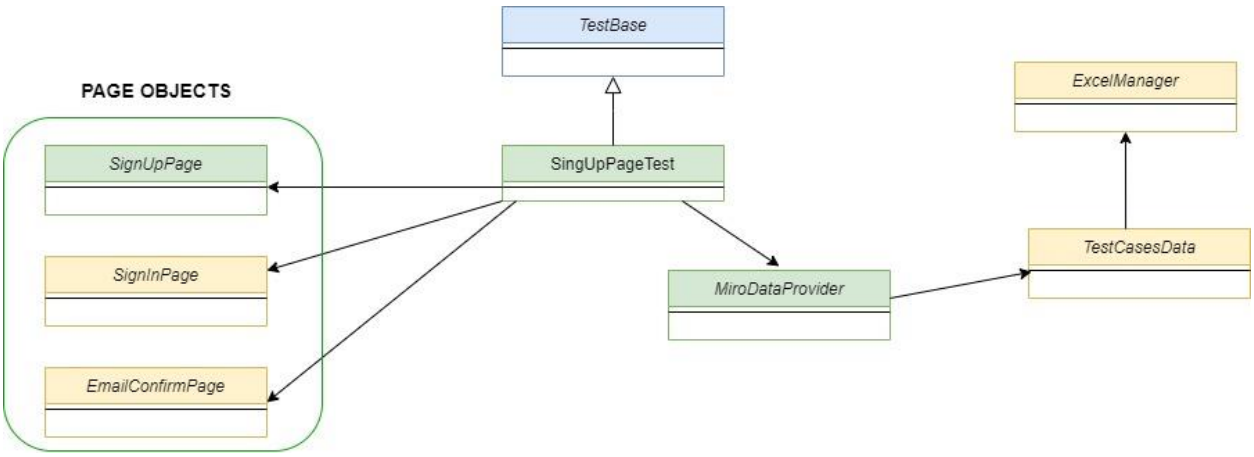
Java

Extent Reports

Maven

Selenium

DESIGN

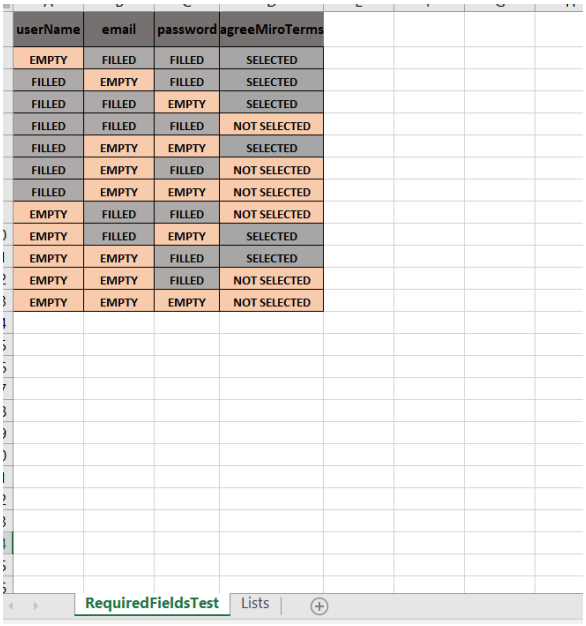


Solution was developed utilizing:

- *TestBase class pattern* for initializing / finishing common objects (this allow to add in the future tests for other Miro pages)

- *PageObjects* for identification and actions of elements at Sign Up Page and also Sign In and Email Confirm pages for a few checks in tests

- For some tests *Data Providers* are used, in order to expand the number of scenarios validated. For the case of the test ***signUpNegativeRequiredFields*** data set is taken from an Excel Sheet (src/test/java/com/miro/data/miro_data.xlsx)



userName	email	password	agreeMiroTerms
EMPTY	FILLED	FILLED	SELECTED
FILLED	EMPTY	FILLED	SELECTED
FILLED	FILLED	EMPTY	SELECTED
FILLED	FILLED	FILLED	NOT SELECTED
FILLED	EMPTY	EMPTY	SELECTED
FILLED	EMPTY	FILLED	NOT SELECTED
FILLED	EMPTY	EMPTY	NOT SELECTED
EMPTY	FILLED	FILLED	NOT SELECTED
EMPTY	FILLED	EMPTY	SELECTED
EMPTY	EMPTY	FILLED	SELECTED
EMPTY	EMPTY	FILLED	NOT SELECTED
EMPTY	EMPTY	EMPTY	NOT SELECTED

RequiredFieldsTest Lists

Scenarios are taken row by row, for testing the different combinations that can be possible on the negative sign up tests.

With the implemented functionality, additional sheets can be added to the excel file and easily create new entry data sets for future tests.

EXECUTION

SMOKE TESTS

On the project folder, execute following command. It will execute 4 smoke basic test cases in aproximately ~12/13 seconds.

```
> mvn -PSmoke test
```

Test cases included:

- Check page opens successfully
- Get Started without fill
- Sign In button redirects successfully
- Sign Up User Positive Test Case

REGRESSION TESTS

On the project folder, execute following command. It will execute full suite of tests, 32 test cases in aproximately 4 minutes.

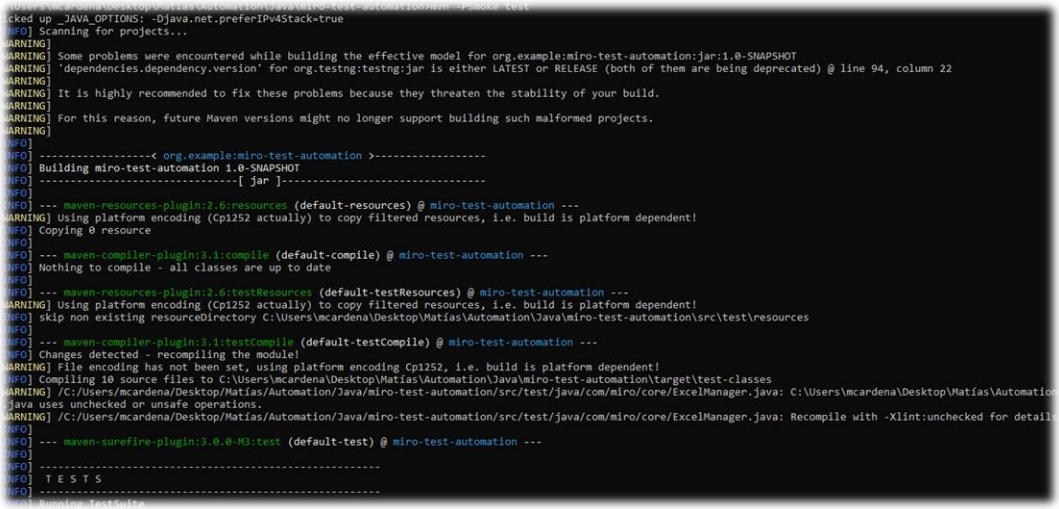
```
> mvn -PRegression test
```

Test cases included:

-> ALL smokes tests plus:

- Sign up positive without subscribe
- Invalid email format
- Short password - Parametrized -> 7 test cases in total
- Unsafe password - Parametrized -> 4 tests cases in total
- Sign Up required fields - Parametrized (from Excel Sheet) -> 8 test cases in total

After executing the command, execution should begun successfully displaying output similar to this:

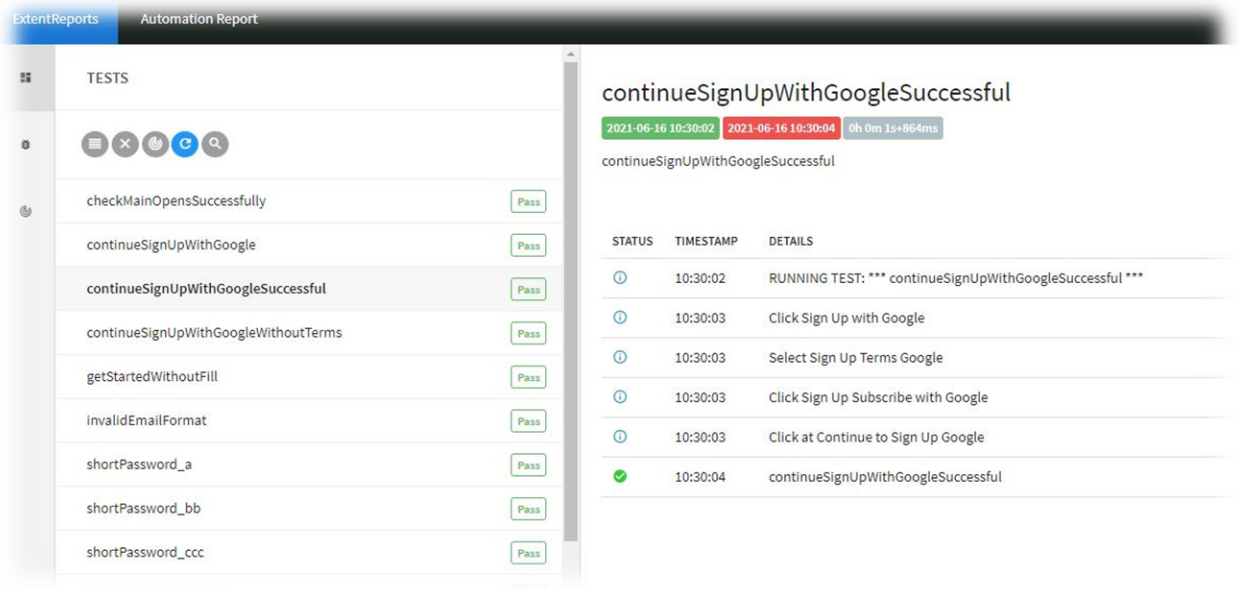


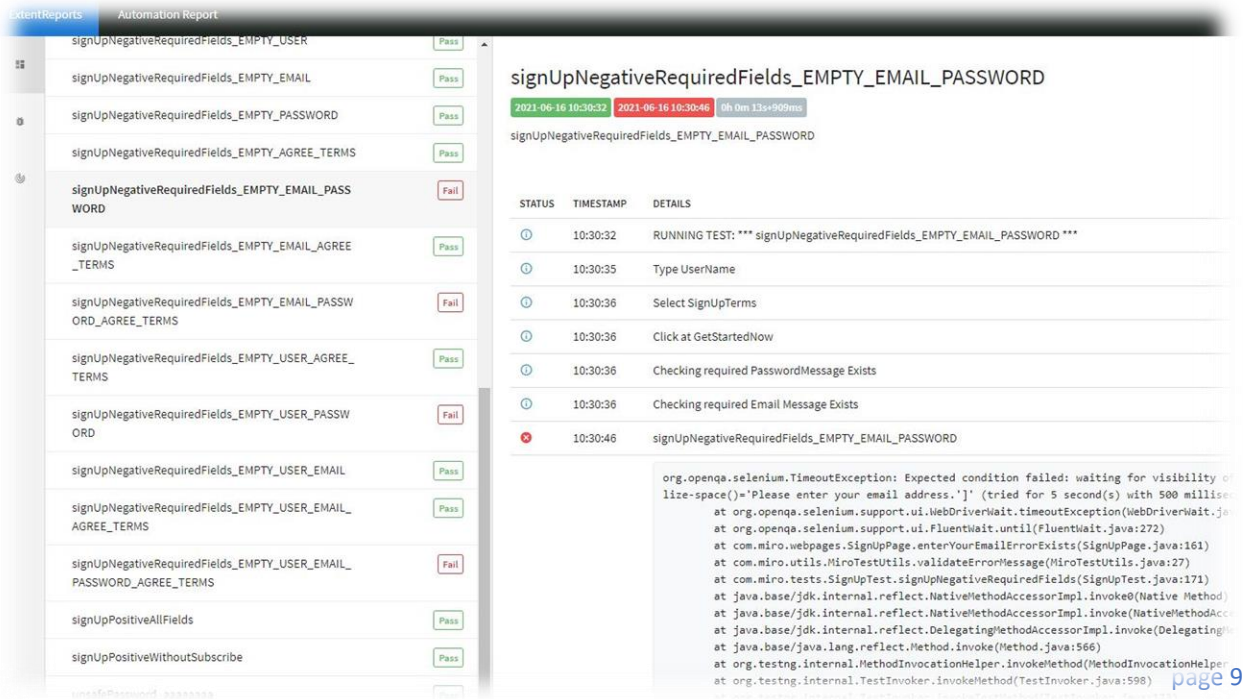
REPORTING

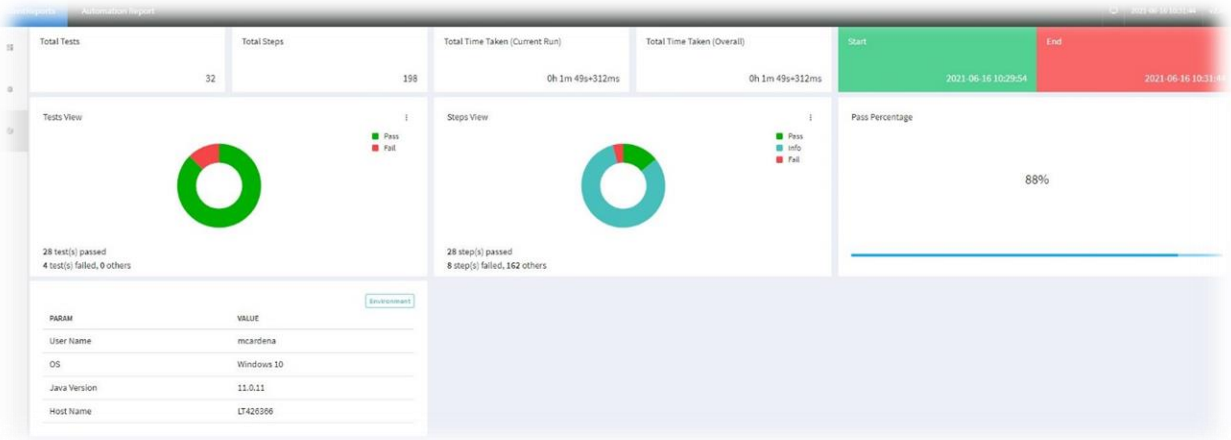
Once finished the execution, the tool generates a report at *target/surefire-reports/ExtentReport.html.*

Report generated can be used to check every test executed **and** its result, including the list of steps performed and also counting with charts with % of tests PASSED/FAILED.

!! Report is possible to be opened with any browser, but it's **recommended** to open it with **Google Chrome** for better UI appreciation






Total Tests
32
Total Steps
198
Total Time Taken (Current Run)
0h 1m 49s+312ms
Total Time Taken (Overall)
0h 1m 49s+312ms
Start
2021-06-16 10:29:54
End
Tests View
Pass
Fail
28 test(s) passed
4 test(s) failed, 0 others
Steps View
Pass
Info
Fail
28 step(s) passed
8 step(s) failed, 162 others
Pass Percentage
88%
Environment
PARAM
VALUE
User Name
mcardena
OS
Windows 10
Java Version
11.0.11
Host Name
LT426366