Automated Tests - site BuggyCarsRating

This is a little Test automation framework that validates 14 test scenarios of the main features of the website https://buggy.justtestit.org/.

It was written in Javascript using a NPM package called TestCafe which is an open source Node JS library for test automation . It works on all popular environments such as Windows, MacOS, and Linux in all browsers and mobile , it is easy to use,install and doesn't require Webdrivers . For More information refer to https://testcafe.io/

Pre-requisites

- Node JS - https://nodejs.org/
- VS Code (optional) https://code.visualstudio.com/download

Installation

1. Clone the repo from Github in a local folder
2. From VS code, CLI or terminal, navigate to the folder above
3. Run: `npm install`
4. Run: `npm i -g testcafe`

Framework structure

- **Page objects** : Contains all the Page objects with the selectors and methods. (Login, Registration,Profile,Rating)
- **Utils**: Contains the config file with testdata and urls
- **Test** : Contains all the tests written in plan English for all the main features of the website.
- **Reports**: Contains the Test results printed in HTML with all the scenarios.

How to run the tests?

1. From CLI/ Terminal, make sure you are in the root of the folder
2. Run : `npm run tests:chrome` wait for the browser to start running your tests...

3. Once it finishes,you can see the console with the results or go to the "Reports" Folder in the solution, and then open the the file **_tests-site-buggycars\reports_** report generated with results and screenshots of the errors.

or alternatively run any of the following scripts

The project has 5 test runners pre-defined in tha package.json file so run the one of your preference

- **tests:chrome** : Run all tests on chrome browsers running concurrently.
- **tests:edge**: Runs all the tests one Microsoft Edge browser, once it finishes an HTML report will be generated in the folder reports
- **tests:all** : Run all the tests on Chrome, Edge, Firefox in parallel, once it finishes an HTML report will be generated
- **test:reports**: Run all the tests on Chrome on 2 windows, once it finishes an HTML report will be generated.
- **createReport**: Run this script once test:reports has finished so you can generate a pretty HTML report with more details.

Sample of Report Generated

Summary

Start Time: Wed Aug 18 2021 18:08:57 GMT+1200 (hora estándar de Nueva Zelanda)

Browsers: Chrome 92.0.4515.131 / Windows 10

Duration: 1m 03s

Tests Failed: 1 out of 13

Tests Skipped: 0

#	Fixture	Test Name	Browsers	Duration	Result
1	LOGIN TESTS	Smoke Test- Home page is loaded successfully	Chrome 92.0.4515.131 / Windows 10	3s	passed
2	LOGIN TESTS	WHEN valid credentials are entered, THEN user is logged in successfully	Chrome 92.0.4515.131 / Windows 10	3s	passed
3	LOGIN TESTS	WHEN wrong credentials are entered,THEN an error message is displayed	Chrome 92.0.4515.131 / Windows 10	3s	passed
4	USER PROFILE TESTS	Smoke test- Profile page is loaded successfully	Chrome 92.0.4515.131 / Windows 10	3s	passed
5	USER PROFILE TESTS	WHEN valid information is set in the form, THEN the users profile is updated sucessfully	Chrome 92.0.4515.131 / Windows 10	6s	passed
6	USER PROFILE TESTS	WHEN I set null passwords I click save,THEN an error validation should be displayed	Chrome 92.0.4515.131 / Windows 10	9s	failed
7	USER PROFILE TESTS	WHEN the password set does not meet the password rules, THEN an error should be displayed	Chrome 92.0.4515.131 / Windows 10	4s	passed
8	RATING TESTS	Smoke test- Profile page is loaded successfully	Chrome 92.0.4515.131 / Windows 10	7s	passed
9	RATING TESTS	WHEN an user types a comment and vote, THEN a msg is displayed and the comment posted	Chrome 92.0.4515.131 / Windows 10	12s	passed
10	USER REGISTRATION TESTS	Smoke Test- Registration page is loaded successfully	Chrome 92.0.4515.131 / Windows 10	1s	passed
11	USER REGISTRATION TESTS	WHEN the form is filled out correctly,THEN the user is registered successfully	Chrome 92.0.4515.131 / Windows 10	4s	passed
12	USER REGISTRATION TESTS	WHEN the user tries to create an existing login, THEN an error should be displayed	Chrome 92.0.4515.131 / Windows 10	4s	passed
13	USER REGISTRATION TESTS	WHEN the passwords do not match, THEN a validation error is displayed	Chrome 92.0.4515.131 / Windows 10	4s	passed

Sample of the detailed report

TestCafé Report

Features

Chart	Status	Progress
8	✅ Passed	75.00 %
	❗ Failed	25.00 %

Scenarios

Chart	Status	Progress
26	✅ Passed	92.31 %
	❗ Failed	7.69 %

Run info

Project	tests-site-buggycars
Release	1.0.0
Report Generation Time	2021-08-18T05:00:06.321Z

Features overview

Show 50 entries   Search:

Feature name		Status		Device	OS	Browser	Date	Duration	Total	Passed	Failed
LOGIN TESTS	🏷	✅	🖥	Windows	10	92.0.4515.131	2021/08/18 16:56:10	00:00:14.339	3	3	0
LOGIN TESTS	🏷	✅	🖥	Windows	10	92.0.902.73	2021/08/18 16:59:09	00:00:18.665	3	3	0
RATING TESTS	🏷	✅	🖥	Windows	10	92.0.4515.131	2021/08/18 16:56:10	00:00:32.390	2	2	0
RATING TESTS	🏷	✅	🖥	Windows	10	92.0.902.73	2021/08/18 16:59:09	00:00:31.375	2	2	0
USER PROFILE TESTS	🏷	❗	🖥	Windows	10	92.0.4515.131	2021/08/18 16:56:10	00:00:34.248	4	3	1
USER PROFILE TESTS	🏷	❗	🖥	Windows	10	92.0.902.73	2021/08/18 16:59:09	00:00:33.021	4	3	1
USER REGISTRATION TESTS	🏷	✅	🖥	Windows	10	92.0.4515.131	2021/08/18 16:56:10	00:00:23.487	4	4	0
USER REGISTRATION TESTS	🏷	✅	🖥	Windows	10	92.0.902.73	2021/08/18 16:59:09	00:00:31.033	4	4	0

Showing 1 to 8 of 8 entries   Previous 1 Next