Code Review

Link on the project: https://github.com/AZANIR/cypressAllure.

Owner: https://github.com/AZANIR.

Branch: master.

Writing README.md

The README file should contain all needed information about project, code. It's some instructions, help for users of GitHub.

In project README file contains description of the project, description of the directory Structure, steps to run and report view. However, in the second step isn't clear where users should change "Username" and "Password".

When author means that users should change email and password in login.test.ts, that for checking the login scenario users have been registered on site, the link of which is in the project, otherwise test in this file will be failed. It's should write in the README file.

The best way to describe the commands in the steps to run is:

``` console

npm install

```

The triple quotes in README file form a better design of the block with code or commands:

```
npm run generate
npm run report
```

Also, after steps to run, users can see the report view, but they don't know how can get this report. The README file should contain command to receive this report, for example commands that are in package.json :

- npm run allure:generate

- npm run report

Writing tests

In the login.test.ts using data from json file, but users can see one more data that are inside spec test. In this case will be better that all data will be stored in json file.

```
10       })
11       it('login with valid credentials', function () {
12           loginPage.login("testautomation@cypresstest.com", "Test@1234")
13           myAccountPage.validateSuccessfulLogin()
14           myAccountPage.logout()
15           myAccountPage.validateSuccessfulLogout()
16       })
```

```
cypress > fixtures > {} users.json > {} invalid_credentials
 1   {
 2       "valid_credentials": {
 3           "emailId": "testautomation@cypresstest.com",
 4           "password": "Test@1234"
 5       },
 6       "invalid_credentials": {
 7           "invalid_email": {
 8               "emailId": "invalidUser@cypresstest.com",
 9               "password": "Test@1234"
10          },
11          "invalid_password": {
12               "emailId": "testautomation@cypresstest.com",
13               "password": "test@12345"
14          },
15          "wrong_email_format": {
16               "emailId": "testautomationresstest.com",
17               "password": "test@12345"
18          }
19      }
20   }
```

Moreover, it's not clear what the myAccount.test.ts was created for, what information it contains. Also, this file has imported loginPage, which don't use. So, there is no need to use it. However, there is comment that using loginPage, if users uncomment it, that loginPage usage is required, but in this case imported loginPage should be commented too.

```ts
cypress > e2e > tests > TS myAccount.test.ts > ⊘ describe('My Account Functionality') callback
1   import { loginPage } from "../pages/loginPage";
2
3   describe('My Account Functionality', () => {
4       beforeEach(() => {
5           cy.visit('https://google.com');
6           //loginPage.launchApplication()
7       })
8       it('Sample Test', () => {
9           console.log("This is a sample test")
10      })
11  })
```

Tests outputs

After running the tests, users can see these results:

```
Running:  login.test.ts                                                            (1 of 2)


Login Functionality
  √ login with valid credentials (29011ms)
  √ login with valid credentials read data from fixture (17417ms)
  √ login with invalid email credentials read data from fixture (14026ms)
  √ login with invalid password credentials read data from fixture (9264ms)
  1) login with wrong email format credentials read data from fixture


  4 passing (1m)
  1 failing

  1) Login Functionality
       login with wrong email format credentials read data from fixture:

     Timed out retrying after 5000ms
     + expected - actual

     -'Invalid email address.'
     +'Invalid email addressssss.'

     at LoginPage.validateLoginError (http://automationpractice.com/__cypress/tests?p=cypress\e2e\tests\login.test.ts:119:27)
     at Context.eval (http://automationpractice.com/__cypress/tests?p=cypress\e2e\tests\login.test.ts:199:31)
```
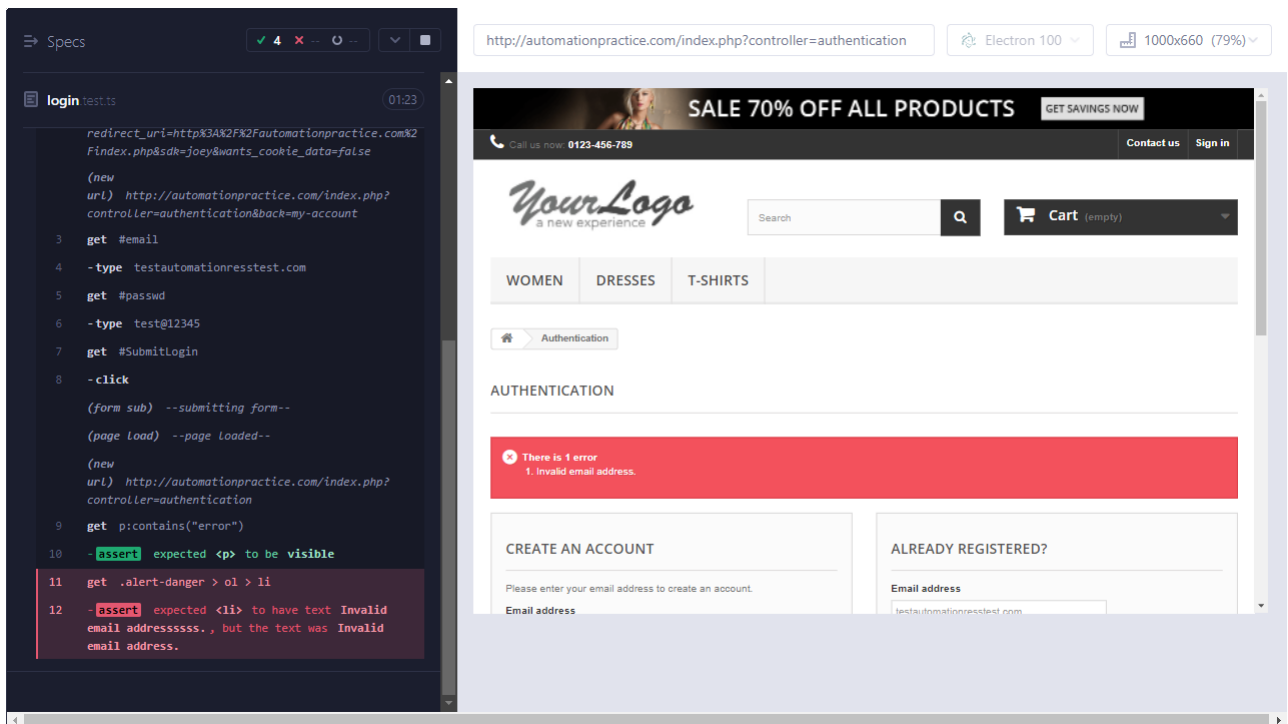
It means, that login.test.ts have an error, that is invalid email address. Error text is "Invalid email addressssss.", but it should be "Invalid email address.".
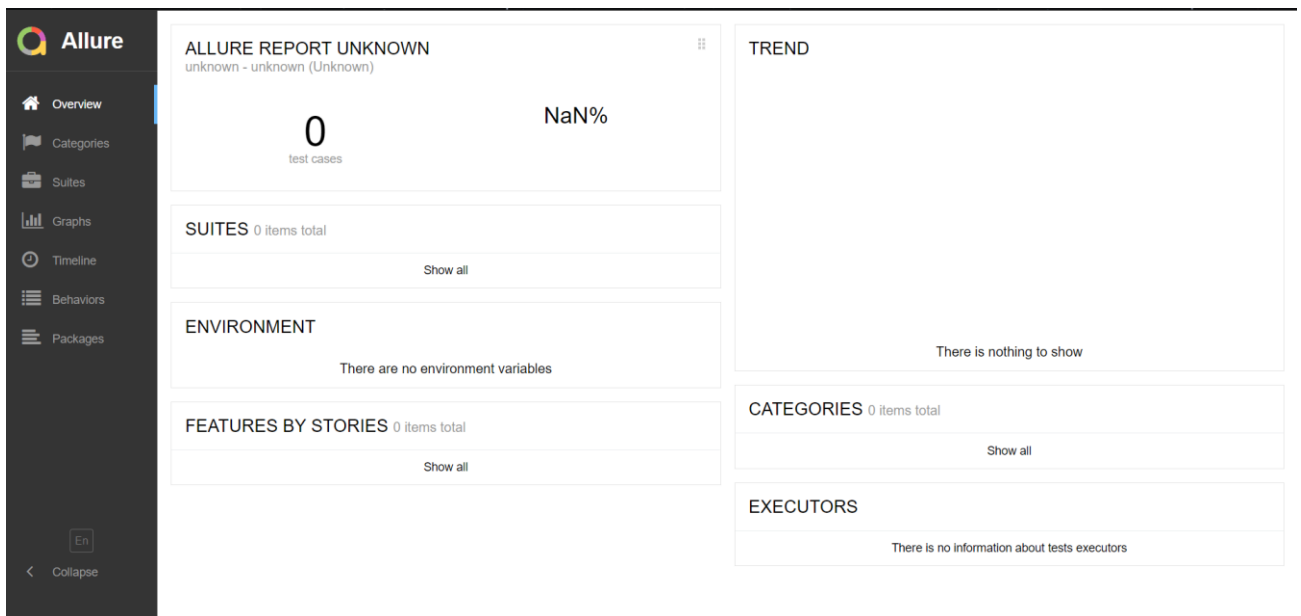

Generating reports:

After execution of the commands for generating reports:

- npm run allure:generate

- npm run report

users can see this result:

That means, that commands write incorrectly, namely second command, because after using correct commands:

- npm run allure:generate
- allure open allure-report

users can see this result: