

CODE REVIEW FOR CYPRESSALLURE PROJECT

Link to project: <https://github.com/AZANIR/cypressAllure>

Date of code review: 01/09/22 – 02/09/22

Reviewer: Volodymyr Pavlenko

1 COMMENTS AND ERRORS FOR “README.MD” FILE

1.1 The “README.md” file doesn’t contain information about the required version of node js, VS Code or any other IDE;

1.2 The section “Steps to run”:

- the command "git clone " doesn’t contain link to GitHub repository. For example: “git clone <https://github.com/AZANIR/cypressAllure.git>”;

- the instruction “Change "Username" and "Password"” – doesn’t contain detailed steps for changing and the purpose of this action.

1.3 The section “Report view” doesn’t contain commands for generate allure report.

1.4 To highlight commands in the “README.md” file should be better to use triple quotes. For, example:

```
``` console
npm run cy:run
```
```

2 COMMENTS AND ERRORS FOR “ MYACCOUNT.TEST.TS” FILE

2.1 The file name “myAccount” doesn’t match the content of the tests – visit google.com and console log text. The file name must be changed according to its content.

2.2 According information about project functionality in “REAME.md” and content of tests in “myAccount.test.ts”, “myAccount.test.ts” file doesn’t belong to CypressAllure project. Should be removed from project.

2.3 Code line 1: import { loginPage } from “../pages/loginPage” isn’t used for creation tests. Should be removed.

2.4 Code line 6: //loginPage.launchApplication() – unnecessary comment. Should be removed.

2.5 File contains one test (it block) – hook “beforeEach()” is unnecessary. Code cy.visit(‘https://google.com’) should be move to it block “This is a sample test”.

2.6 Code line 9: command “cy.log” should be used instead of “console.log”.

3 COMMENTS AND ERRORS FOR “LOGIN.TEST.TS” FILE

3.1 According best practices it is better to start test cases names with the word “should”. For example, test cases should be renamed in such way:

“Should check login with valid credentials”.

3.2 Test case “login with valid credentials” (code line 11) and test case “login with valid credentials read data from fixture” (code line 17) check the same functionality. Data for emailId, password used in “loginPage.login()” function have the same values. Test case “login with valid credentials” is unnecessary.

3.3 Validations such as “myAccountPage.validateSuccessfulLogin()”, loginPage.validateLoginError(‘Authentication failed.’) must be described in spec files instead of page objects files. For example, loginPage.validateLoginError(‘Authentication failed.’) must be re-written in spec file in such way:

```
loginPage.alertBox.should('be.visible');  
loginPage.alertMessage.should('have.text', 'Authentication failed.');
```

3.4 Test case “login with valid credentials” (code line 11) and test case “login with valid credentials read data from fixture” (code line 17) checks also logout functionality:

```
it('login with valid credentials read data from fixture', function () {  
  loginPage.login(this.data.valid_credentials.emailId, this.data.valid_credentials.password)  
  myAccountPage.validateSuccessfulLogin()  
  myAccountPage.logout()  
  myAccountPage.validateSuccessfulLogout() ←  
})
```

Names of test cases should be re-written, for example: “Should check login with valid credentials(read data from fixture) and after logout”.

3.5 Test case “login with wrong email format credentials read data from fixture” (code line 40) contains error in validation text for loginPage.validateLoginError('Invalid email addresssssss.') function, the test case is failed:

```
Timed out retrying after 5000ms: expected '<li>' to have text 'Invalid email addresssssss.', but the text was 'Invalid email address.'
```

Validation text must be “Invalid email address.” instead of “Invalid email addresssssss”.

3.6 Code line 6, function loginPage.launchApplication() in hook “BeforeEach” – the name of function does not match functionality (open site with base url). For example, should be renamed:

```
loginPage.openBaseUrl()
```

4 COMMENTS AND ERRORS FOR “LOGINPAGE.TS” FILE

4.1 The names of functions “get emailAddressTxt()”, “get passwordTxt()” should be better “get emailAddressInput()”, “get passwordInput()”.

4.2 Code line 11, function “launchApplication()” – see comments in 3.6 for “login.test.ts” file. Function should be completely moved to spec file from page object file.

4.3 Code line 22, function “validateLoginError()” – see comments in 3.3 for “login.test.ts” file.

5 COMMENTS AND ERRORS FOR “MYACCOUNTPAGE.TS” FILE

5.1 Functions “validateSuccessfulLogin()”, “validateSuccessfulLogout” – see comments in 3.3 for “login.test.ts” file. Functions should be completely moved to spec file from page object file.


5.2 After completing 5.1, code line 3: import { loginPage } from “./loginPage”, isn’t needed.

6 COMMENTS AND ERRORS FOR “PACKAGE.JSON” FILE

6.1 Code line 10 in section “scripts”. Command

```
"report": "npx allure generate reports/ui/allure-results --clean -o  
reports/ui/allure-report && allure open reports/ui/allure-report",
```

generates allure report with empty fields after tests execution:

 Allure

Overview

Categories

Suites

Graphs

Timeline

Behaviors

Packages

En

< Collapse

ALLURE REPORT UNKNOWN

unknown - unknown (Unknown)

0

test cases

NaN%

SUITES 0 items total

Show all

ENVIRONMENT

There are no environment variables

FEATURES BY STORIES 0 items total

Show all

TREND

There is nothing to show

CATEGORIES 0 items total

Show all

EXECUTORS

There is no information about tests executors

172.25.32.1:53982/index.html#behaviors