Task 3.1. Code Review. Cypress

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Project structure		
1	There are redundant directories	The docs folder contains the same data as the ui/allur-report folder
Test Cases		
2	No Test Cases provided	
README.md in the root folder		
3	Incorrect headers in the .md file	The h1 heading duplicates the project description "About".
4	Incorrect headers in the .md file	The h2 header "This Framework contains sample code for # Cypress-e2e-Allure Automation-Framework" describes the project. It is appropriate to write the title as a Project description and place the content of the description under the title.
5	The photo of the directory structure does not correspond to the actual structure of the project	The image of the Directory Structure does not contain the .github/workflows, the docs folders, and the package-lock.json file. A screenshot of the project structure was made when changes were made to the project, which has not yet been committed. It is better to take a screenshot of the project when the changes have already been made and there is no information about the changes made in the image.

README.md in the root folder

6	Steps to run needs detailing	The first item specifies to copy the repository, but how to copy is not appropriately written. It can be easily copied, for example git clone https://github.com/AZANIR/cypressAllure.git In the second point, it is written that you need to change the **username** and **password**, but it is not clear where they need to be changed and what data they need to be changed to.
7	No information about the reporter	It is not specified which reporter is used, how to generate the report, and where it can be viewed. There is only a photo of the report view that not corresponds to the report on the GitHub Pages
8	No information about the GitHub Pages	No information about GitHub Pages was created, what is placed on them, and how to view them.
9	No information about technology	It is necessary to specify the technologies used in the project. What needs to be installed in order to launch the project. For example, the following command "**rm -r reports/** || true**" is not used in Windows
10	Not enough information on how to run the test	There is no information on how to run the tests in GUI mode. There is no information on how to run 1 spec.

README.md which is located in the cypressAllure/docs/ folder

11	The README.md file is not informative	The file does not say which reporter is used, how to generate the report, where it can be viewed.

Page Objects		
12	The irrelevant empty line for the closing bracket in **loginPage.ts** file	Line 25
13	Unrealized inheritance	loginPage is imported into myAccountPage, but inheritance is not implemented. As a result, in the **login.test.ts** test, both the **loginPage and myAccountPage** are imported, when it is enough to import only one Page if the inheritance is configured
14	Page Object Model is incompletely implemented	It is appropriate to create 3 pages since we work with three objects. 1) object is the **main page**, 2) object is the **login page** 3) object is my **account page**. Sign-in Link refers to the Main page and downloading the site is appropriate from the Main page
15	Assertions for the execution of actions are not implemented	It is not checked whether: 1) after clicking on the sign-in link the sign-in page is opened; 2) after entering the e-mail address it was entered in the input field; 3) after entering the password was entered in the input field.
16	There are no separate methods created in the **loginPage.ts** file	That the project can be expanded, it is appropriate to create methods for each of the commands. For example, a separate method to press a button, enter data in the email field, enter data in the password field, etc.

Tests (myAccount.test.ts file)		
17	Has an extra comment	Line 6
18	The redundant import **loginPage.ts** is used	The **myAccount.test.ts** test does not use functions from **loginPage.ts**, so line 1 and 2 are redundant
19	The redundant block **beforeEach** is used	Since there is only one **it** block, it is not appropriate to use a **beforeEach** block.
20	The description in the describe is not informative	It is not clear which tests will be performed and which functionality is tested
Tests (login.test.ts file)		
21	A redundant it block that duplicates the functionality of the next one	it('login with valid credentials') block has the same functionality as the following block, that's why it is redundant. At the same time, in this block are used variables directly. It is appropriate when variables are taken from JSON file in the fixtures folder.
22	**it('login with valid credentials read data from fixture')** block checks two different functionalities	According to the description of the block, it is necessary to check a successful login with valid data. The **myAccountPage.logout()** **myAccountPage.validateSuccessfulLogout()** code is redundant.
23	The **validateLoginError** function uses the data directly in the test	It is appropriate to use data from JSON file in the fixtures folder by creating variables in the file with the following data Authentication failed, "**Invalid email addressssss**.")

Tests (login.test.ts file)		
24	Code is too long	Code is too long in the 32nd line. It is appropriate to write it in two lines to make it easier to read
25	In line 35, incorrect data is used for verification.	In the **loginPage.validateLoginError('Invalid e-mail addressssss.')** command instead of the text **'Invalid e-mail addressssss**.' it is necessary to use the text **'Invalid email address'**
Reporter		
26	Missing data in the Reporter GUI	After executing the **"report"** script is opened Allure Report with NAN data because the path reports\ui\allure-results does not exist. It`s appropriate to change the path to Allure results in the config.config file or in script.
27	The Allure report site does not open after running the **"cy:e2e:run"** script	
28	A different path is indicated to the allure-results folder in the **"report"** and **"allure:generate"** scripts	Using two different paths to save allure results will create redundant test artifacts. At the same time, one of the folders will contain NaN results

CI		
29	**path: ./allure-report**	if the import path is changed in the **"allure: generate"** script, it is necessary to change the path to the folder in the workflows file.
Coding style and language syntax		
30	**loginPage.ts** file contains fragile locators	**get passwordTxt(){return cy.get('#passwd') }** should have locator **#password.** **get alertBox() { return cy.get('p:contains("error")')}** it is possible for alertBox to have a better locator, however, since the site is not working, it is difficult to say.
31	The **config.config.ts** file uses too many timeouts	Since the site does not load, it is difficult to check whether all the timeouts are actually necessary
32	The **myAccount.test.ts** file does not test the functionality of the site **http://automationpractice.com/index.php**	This file is a sample test. The existence of this test in the project is doubtful.