

“Cypress-e2e-allure” project review #1

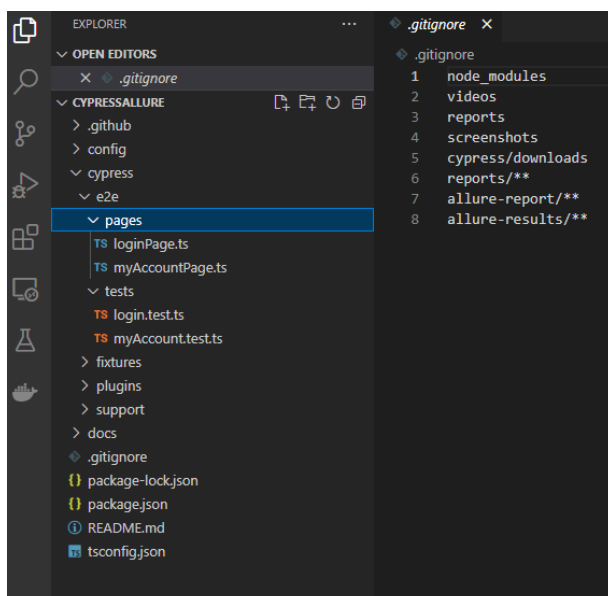
Link to the project: “<https://github.com/AZANIR/cypressAllure>”.

IMPORTANT! Please consider this description before reading the document:

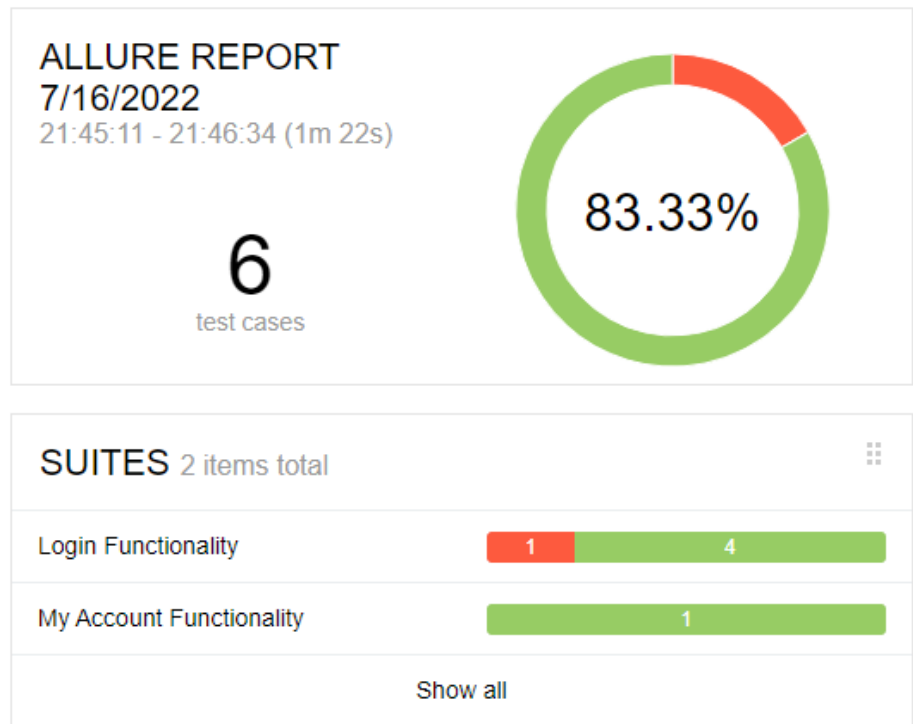
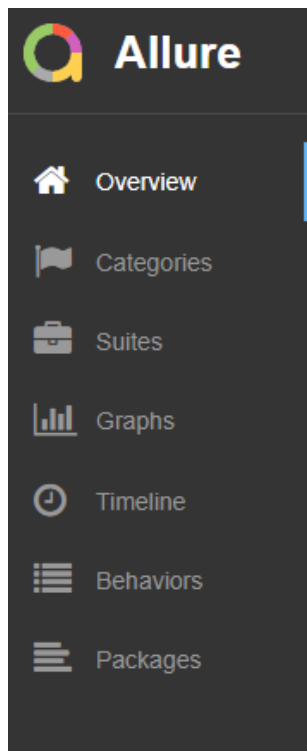
- **Errors and solving suggestion's (recommendations for) highlighted in red;**
- Comments and recommendations written in normal font.

“README” review:

- ❖ Lack of a brief description of the project. There should be a small note that will answer for the questions: "what kind of project is this?", "why is it needed?". (It is obvious that if the QA automation reads this, he will understand the answers to the above questions, but what if it will be someone else?);
- ❖ **Before writing the titles that describe this project, you need to clarify what these titles are. For example: "This project includes:". Without this element, the user will understand why all this was written right up to the third title. It is also will be great to change the order of the titles, into a more logical order (for example, it is more logical to put the third item first). This all effects on the readability of the document, a trifle, but it is. Also, there should be an title about TypeScript;**
- ❖ “Directory structure”, it should be clarified that this is the directory structure for this particular project and only after the "git clone" command (when the user goes through the whole installation process, the final result will be different, so we must to specify the interval). Also, the user may be confused by the non-actual version of ".gitignor", you need to add that it can deviate from the current one. You can use that screenshot:



- ❖ There is no title about what we should have pre-installed. Things like “Node.js”, “git” are needed to start the project. It is also very important to specify the minimum versions of them, example: “Node.js(14.17.0)”;
- ❖ “Steps to run”, absence of full “git clone” command it needs to be added, as it makes sense not only for the random user, but also for yourself. That simplifies the installation process in many times. Then, order of the steps are not logical (on my mind, of course), so the order and the steps should be like:
 - ‘git clone https://github.com/AZANIR/cypressAllure.git’ (Also you should specify, that it have the alternative way to download the project, in ‘zip’ file);
 - “npm install”, that title should include all dependencies that used in this project(their absence makes guide uncomfortable for all users and for yourself if you want to restore a deleted project on your local machine):
 - ‘npm install cypress --save-dev’;
 - ‘npm install --save-dev typescript’;
 - ‘npm i -D @shelex/cypress-allure-plugin’;
 - Change “Email” (not username, we haven’t it in our code actually, perhaps this is a “symbol”, but still) and “Password” credentials in file (cypress\fixtures\users.json) [files are also didn’t mentioned, and that is the problem], or in (cypress\tests\login.test.ts) ‘login with valid credentials’ test case;
 - “npm run cy:run”, that is not enough to get the result in the form of allure-report. After you should also run “npm run report”;
 - It also would be great to add info about other commands in ‘package.json’ file;
- ❖ “Report view”, the report on screenshot is not actual, it doesn't match the screenshot, nor the one that GitHub Pages got, or on a local machine. Need to update screenshot, or give an explanation that in the form of a report or a percentage may change. There are also no explanations on how to generate the report loaded as a result of the pipeline (GitHub Actions, artifact). Also you should live the link to GitHub Page with allure-report. You can use this actual screenshot:



- ❖ In the end of README file you can leave some useful references which are connected with your project, for example:
‘Cypress with TypeScript: “<https://docs.cypress.io/guides/tooling/typescript-support#Install-TypeScript>”’;

Code review:

- ❖ “package.json”:
 - ‘report’ command does not working correctly. (This is fixing by changing the directory either in the command in the script (package.json), or by changing the directory for saving the folder in the plugin settings). Here the screenshots:

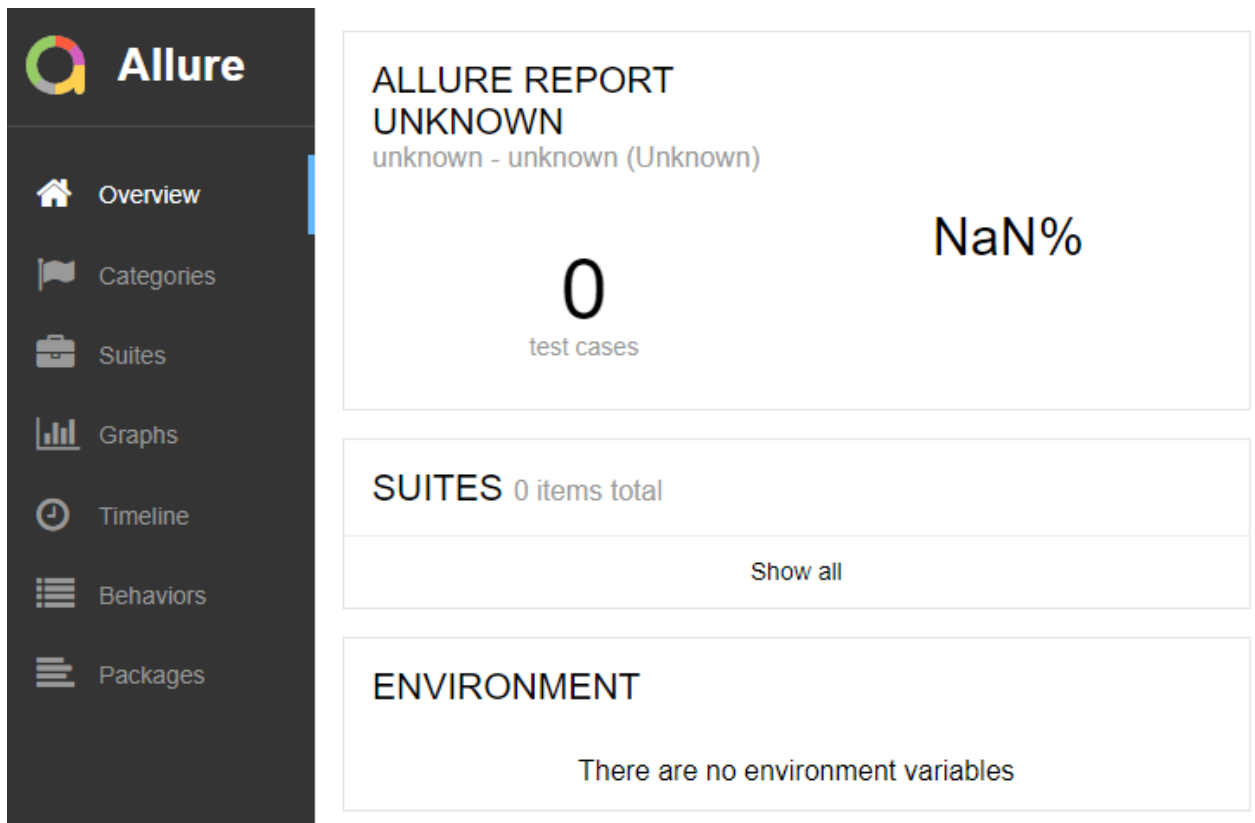
```
(Run Finished)

Spec                                Tests  Passing  Failing  Pending  Skipped
x login.test.ts                     01:06   5        4        1        -        -
✓ myAccount.test.ts                 00:06   1        1        -        -        -
x 1 of 2 failed (50%)                01:12   6        5        1        -        -

PS C:\Users\ilyak\Desktop\something\cypressAllure> npm run report

> cypress-e2e-typescript-allure@1.0.0 report
> npx allure generate reports/ui/allure-results --clean -o reports/ui/allure-report && allure open reports/ui/allure-report

reports/ui/allure-results does not exist
Report successfully generated to reports/ui/allure-report
Starting web server...
2022-08-22 10:44:51.183:INFO::main: Logging initialized @600ms to org.eclipse.jetty.util.log.StdErrLog
Server started at <http://10.0.1.11:59060/>. Press <Ctrl+C> to exit
```



- Example of how to fix previous problem:

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

❖ “login.test.ts”:

- Test cases do not have an id (numbering), in fact, it will make it easier to help someone with any issues later (or to find any issue);
- Why is there a space between “import” and “describe”?;

❖ “myAccount.test.ts”:

- Why is there a space between “import” and “describe”?;
- If you use ‘;’ symbol in previous string(I mean line), you may use it in all other too (to avoid any questions about that);

❖ “loginPage.ts” and “myAccountPage.ts”:

- For what all those spaces between methods?;

❖ “config.config.ts”:

- Here you can change “allureResultsPath: '../allure-results'” path, that solves problem with allure-report previously discussed (As alternative! Not both);
- Why is there a space between “import” and “describe”?;

❖ Pipeline with GitHub actions, “cyAllureRun.yml” file:

- There is an error that occurred in the pipeline after passing the tests.

```
133 Spec Tests Passing Failing Pending Skipped
134
135 | ✖ login.test.ts 00:54 5 4 1 - - |
136 |
137 | ✔ myAccount.test.ts 00:06 1 1 - - - |
138 |
139 | ✖ 1 of 2 failed (50%) 01:00 6 5 1 - - |
140
141 npm ERR! code ELIFECYCLE
142 npm ERR! errno 1
143 npm ERR! cypress-e2e-typescript-allure@1.0.0 cy:run: `cypress run --config-file config/config.config.ts --env allure=true`
144 npm ERR! Exit status 1
145 npm ERR!
146 npm ERR! Failed at the cypress-e2e-typescript-allure@1.0.0 cy:run script.
147 npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
148
149 npm ERR! A complete log of this run can be found in:
150 npm ERR! /home/runner/.npm/_logs/2022-07-16T18_46_40_071Z-debug.log
151 Error: Process completed with exit code 1.
```

There are two options here. The first is to fix it, you can try to solve this problem using this example:

- name: build
run: npm run test --if-present
env:
CI: false

The second is to skip it, because the pipeline as a whole works and this is not a critical error, but it is necessary to write about this issue to the README file or in the “**.yml” file as comment.

In conclusion, we can say that the main fixes relate to the README file, everything is fine with the code, except the report command, but it fixes easily and fast.