Code review for AZANIR / cypressAllure
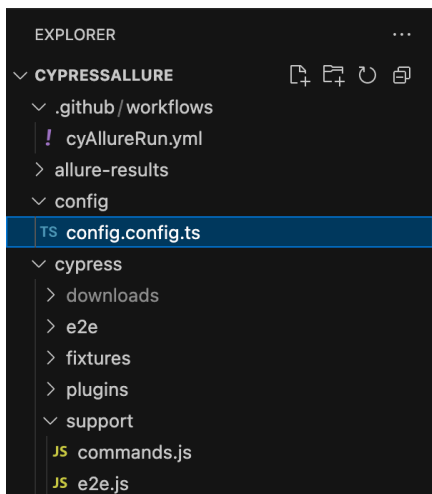https://github.com/AZANIR/cypressAllure.git

1. <mark>config.config.ts</mark> - For the Cypress version 10 and above, we should have **cypress.config.ts** file created in the project root.
In our project the config file is placed in a separate folder and is named **config.config.ts**, that leads to excessive command complexity as we need to add **—config-file flag**, making scripts more error-prone.
This file placement and naming can also cause issues with tool integration and upgrade challenges.

Because of this repository structure, if you try to run the usual cypress command like "**npx cypress run**" it will try to create a default **cypress.config.ts** file since it detects that the project is TypeScript based. As a part of the initialisation process it will also generate additional **commands.ts** and **e2e.ts** since in our project they are still names **commands.js** and **e2e.js.**

2. <mark>Pages</mark> folder should be located in the root of the project.

3. <mark>Docs</mark> folder doesn't describe the content inside. It also contains the allure reports that are located outside allure-results which are being committed as they are outside the **.gitignore** files.

4. <mark>tsconfig.json</mark> includes the paths reference directories in the **node_modules** folders. It happens because this config Is in a subdirectory. For the classic basement, putting "cypress" in "types" is enough for TypeScript to find the Cypress type definitions.

```
"exclude": ["node_modules"],
"include": ["**/*.ts",
   "../node_modules/@shelex/cypress-allure-plugin/reporter",
   "../node_modules/cypress"]
```

5. <mark>package.json</mark> - if we correct the **cypress.config.ts** we can make script more readable. We can also link all cypress commands to Cypress to create more consistent scripts like **test**, **test:ui** and **test:run**

```
e2e: {
  // We've imported your old cypress plugins here.
  // You may want to clean this up later by importing these.
  setupNodeEvents(on, config) {
    return require('cypress/plugins/index.js')(on, config)
  },
  baseUrl: 'http://automationpractice.com/index.php',
  specPattern: 'cypress/e2e/tests/**/*.test.ts',
},
)
```

6. <mark>setupNodeEvents</mark> - For the newer version of Cypress, we no longer need to import plugins from the separate plugin folder, we can move the logic directly to the **cypress.config**

8. <mark>myAccount.test.ts</mark> doesn't have any functionality

9. <mark>loginTest.ts</mark> execute the same test with hardcoded credentials and credentials imported from

the fixture. This is not being done for other tests and looks unnecessary.
Also, it is better to keep space between the tests for readability.

```
it('login with valid credentials', function () {
    loginPage.login("testautomation@cypresstest.com", "Test@1234")
    myAccountPage.validateSuccessfulLogin()
    myAccountPage.logout()
    myAccountPage.validateSuccessfulLogout()
})
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()
```

10. "valid_credentials" - In case it is needed and for the security reasons we can hide valid credentials in .env

11. README.md: incorrect top heading formatting. The second heading has # typo in it. No prerequisite sections that mentions that node and git should be already installed. Unclear instructions about changing "Username" and "Password". Big spacing in the bullet lists.

12. Comments in config.config.ts don't provide any useful information, also comments are not removed in commands.js and e2e.js.