

## Automation Best Practices:

1. All file names should follow same naming convention i.e., camel case.
2. All the folder names should follow same naming convention. E.g., folder\_Name, folderName
3. All the variable declaration should be done in start of the describe-block, if it is used in whole file, instead of defining them in each it-block separately.
4. All the variable names should follow same naming convention i.e., camel case. (E.g., **const variableName**)
5. All the variable name should be meaningful. So that in future if someone reads the code, user won't find it difficult to understand.
6. Always use commands in it-block. Instead of writing code in it-block replace all the reusable code in commands so that it can be reused by others as well.
7. Avoid the usage of the hard coded values.
8. Try to make the function dynamic, so that they will be reusable.
9. Branches should follow same naming convention and it should be decided in early stages of automation. For example: It could be: JID-1234\_Automation
10. Try to add the usage comment before the commands so that other user won't feel difficulty in understanding the purpose of the command.
11. Try to avoid using separate it-blocks for small cases that can be covered in one it-block. Its good to use multiple assertions in one it-block as cypress supports it.
12. The description related to each case should be added in each it-block.
13. Add the test case id in the start of the it-block description so that it will be used in integration with testReil.
14. Use data-\* attributes to provide context to your selectors and isolate them from CSS or JS changes.
15. Don't target elements based on CSS attributes such as: id, class, tag
16. Don't target elements that may change their text context.
17. Tests should always be able to be run independently from one another and still pass. Put an **.only** on the test and refresh the browser.
18. Always clean up state before tests run.
19. Try to use route aliases or assertions to guard Cypress from proceeding until an explicit condition is met to avoid the use of cy.wait() for an arbitrary amount of time. As unnecessary usage of cy.wait() will increase the execution time.
20. Remove extra and un-used code and variables from the file unless it's left for bug fix. For that add comment with it.
21. Build should be up-to-date with the latest sprint tickets.
22. Optimization should be done in early stages of project.
23. It's a good practice to first sort the testcases for automation.