

❖ CYPRESS TOPIC

I. UI AUTOMATION

1. Introduction to cypress
2. Prerequisites & Basic installation
3. Dom structure
4. Locators/CSS selectors
5. Basic cypress commands & Assertions
6. First test case in cypress
7. Traversing methods
8. Working with Input field
 - i. Text input
 - ii. Text Area
 - iii. Radio buttons
 - iv. Check box
 - v. Key pressing
 - vi. Button
 - vii. Date picker (Calendar)
 - viii. Dropdown :-
 - a. Static dropdown
 - b. Dynamic dropdown
 - c. Dependent dropdown
9. Real events in cypress
10. Mouse actions
11. Node-list iteration (Working with multiple elements)
12. Variables
13. Custom commands & Utility functions
14. Cypress commands

- | | |
|-----|-----------------------------------|
| 1) | clearCookie |
| 2) | clearCookies |
| 3) | clearLocalStorage |
| 4) | clock |
| 5) | debug |
| 6) | document |
| 7) | focus |
| 8) | getCookie |
| 9) | getCookies |
| 10) | hash |
| 11) | hover |
| 12) | location |

- 13) [pause](#)
- 14) [root](#)
- 15) [server](#)
- 16) [session](#)
- 17) [setCookie](#)
- 18) [spread](#)
- 19) [spy](#)
- 20) [stub](#)
- 21) [submit](#)
- 22) [task](#)
- 23) [tick](#)
- 24) [viewport](#)

15. Table handling

- i. Complex table structure
- ii. Utility
- iii. Pagination
- iv. Plugin

16. File Handling

- i. File upload
- ii. File Download
- iii. Read File
- iv. Write File

17. Interacting with window based elements

18. Window Popups

- i. Alert
- ii. Confirm
- iii. Prompt

19. I-frames

- i. Iframe handling different methods
- ii. Iframe plugin

20. Multitab Handling / tab switching

- i. On Document page
- ii. On window

21. Hidden Elements/ Shadow Elements

22. Fixture file & Data driven testing

23. Promises

24. Hooks in cypress MOCHA

25. Synch & Asynch

26. Headed & headless modes of runner

27. Environment Variables in cypress

28. Cross Browser Testing

II. **API AUTOMATION**

1. Request (CURD operations)
2. Authentication & Token generation
3. API Chaining
4. Bypass API login, SSO login, logout
5. Cookies and storage Handling
6. Intercept & XHR requests (Wait and Data mocking and stubbing (Project))

III. **DATABASE TESTING**

1. SQL Database testing

IV. **OTHER**

1. Debugging/ Error handling
2. Cypress project through Jenkins
3. Report generation
 - i. HTML report
 - ii. Allure report

V. **CYPRESS FRAMEWORKS**

1. MOCHA
2. POM
3. BDD
4. POM+BDD
5. JEST (Unit Testing)