

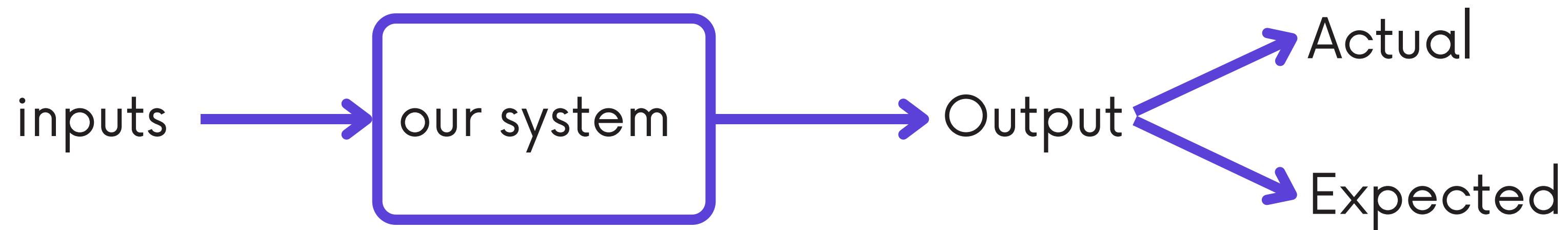
TESTING REACT JS

OVERVIEW

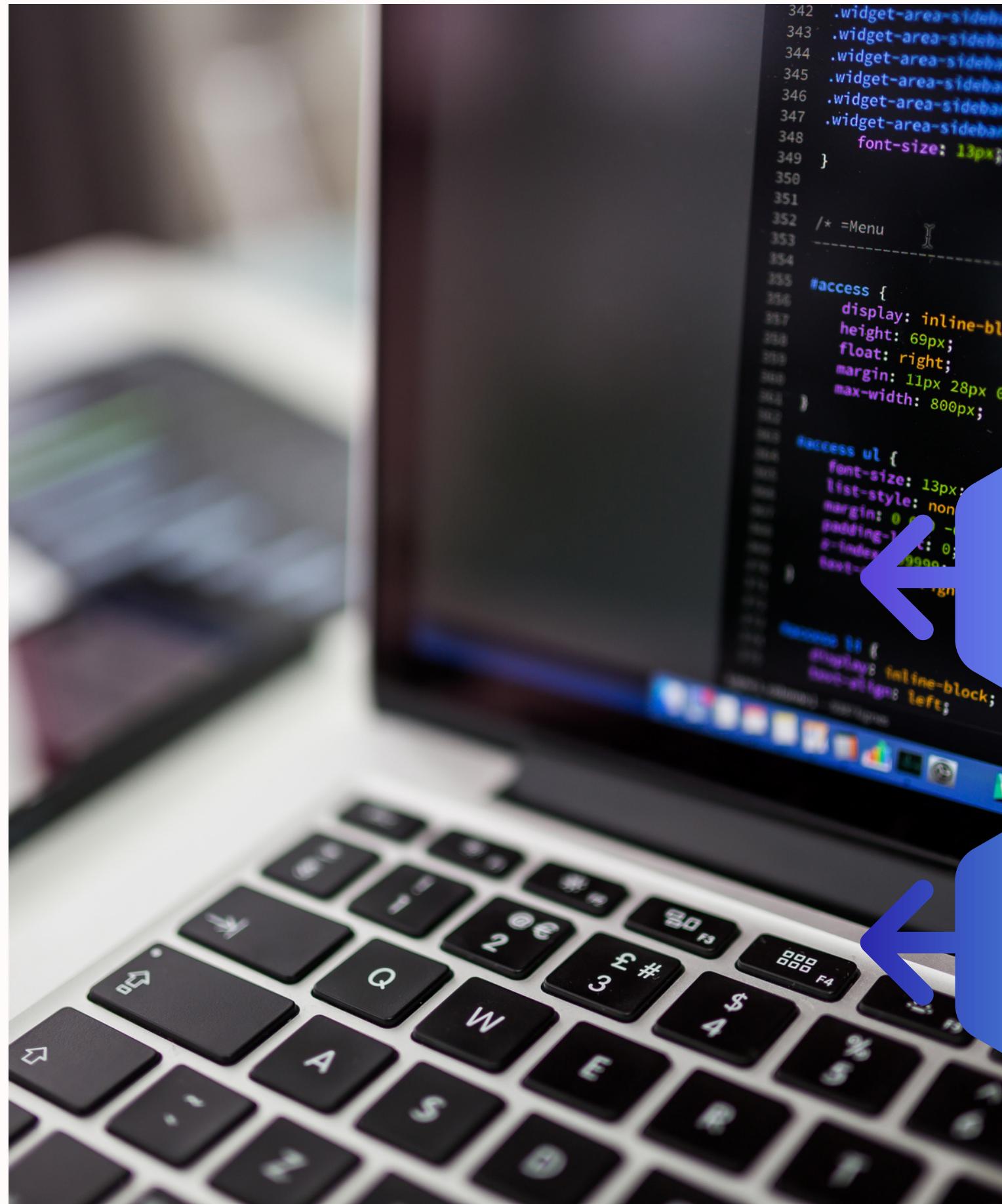
- O1** What is Testing ?
- O2** Why Testing ?
- O3** What is the types of Testing ?
- O4** What is Jest
- O5** What is React Testing Library
- O6** Jest vs RTL
- O7** React Testing Library : Crash Course
- O8** Cypress: Crash Course

TESTING

Evaluating software for functionality, reliability



Actual Output = Expected Output

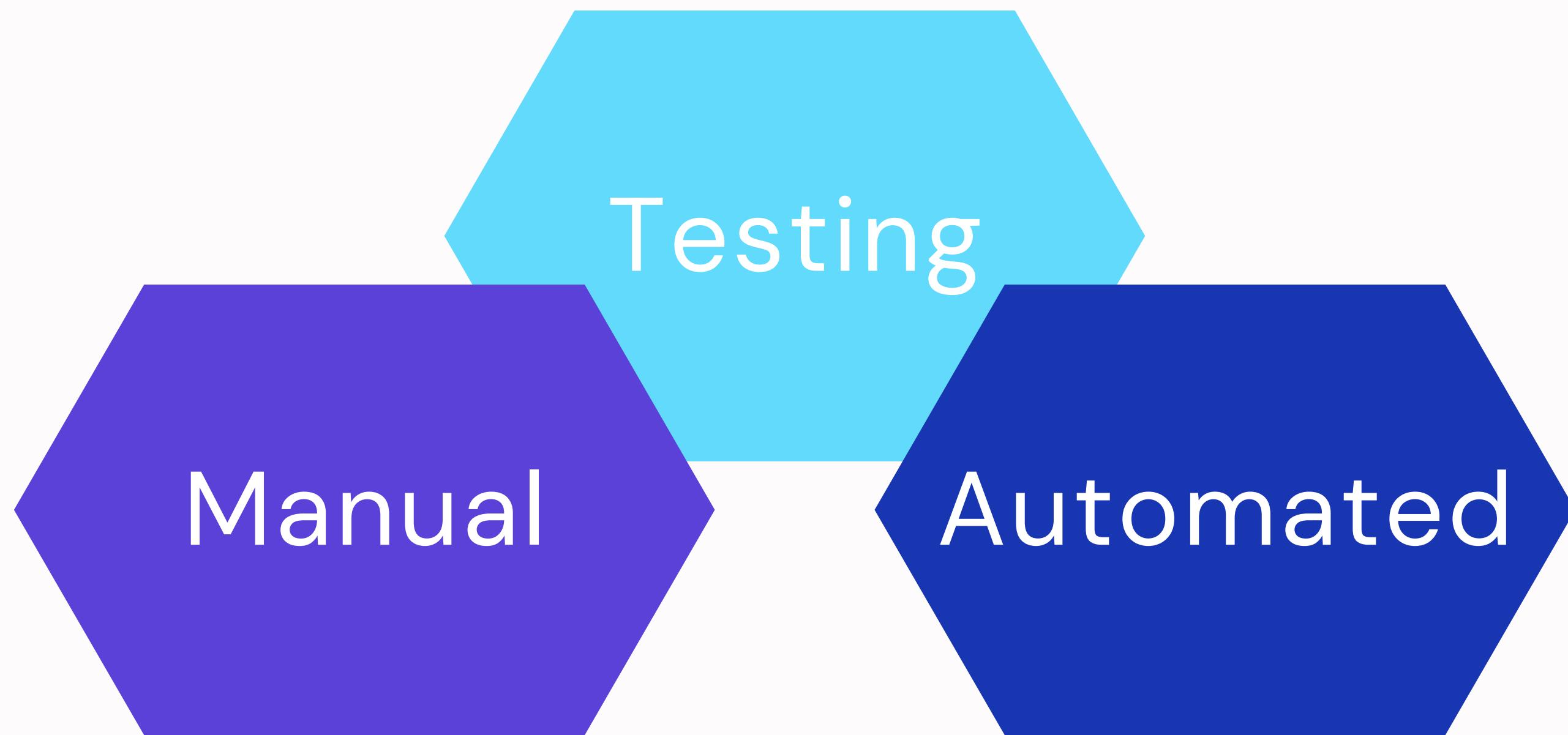


WHY TESTING ?

Quality Code: You are sure that the code does what we expect and create designs rooted in user needs

Less debugging more coding: With more test, fewer errors you will have and you can focus on the more complicated and funny tasks.

TYPES OF TESTING



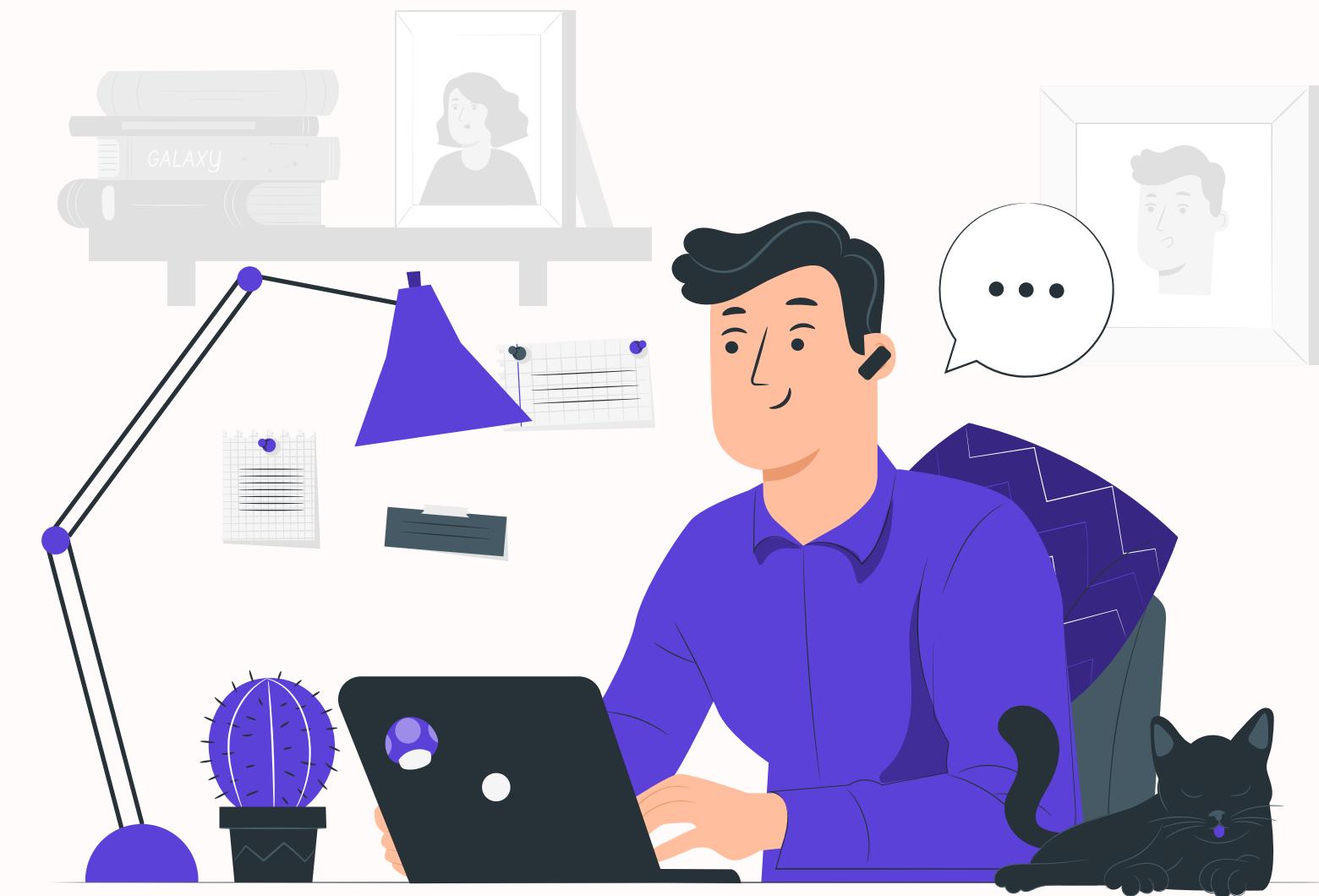
MANUAL TESTING

Test Your App Manually By The User When Adding a New Feature, You Need To Test All App



AUTAMATION TESTING

Automation testing is a program to test your app,
you write code to test your code.



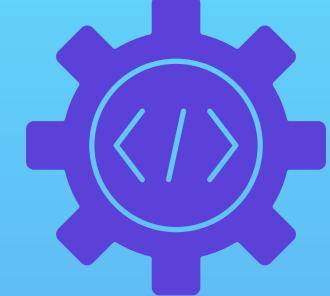
TYPES OF AUTOMATION TEST



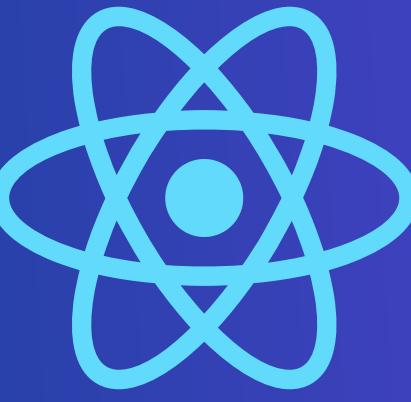
Unit Test



**Integration
Test**

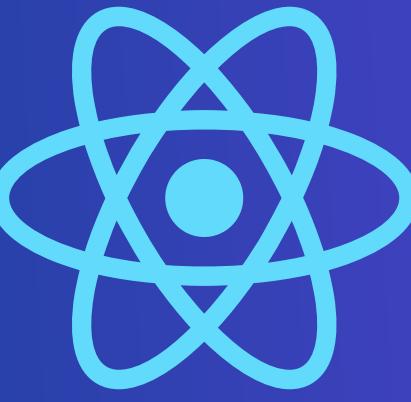


E2E Test



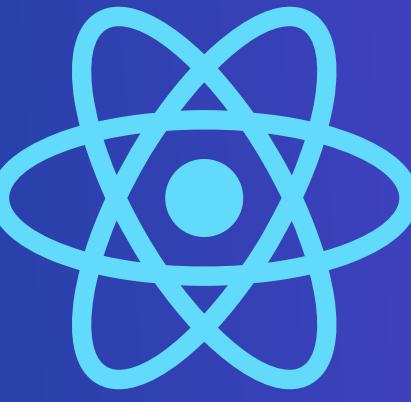
JEST

Jest is a delightful JavaScript
Testing Framework with a focus on
simplicity.



TESTING LIBRARY

The testing-library family of packages helps you test UI components in a user-centric way



RTL VS JEST

RECOMMENDED TOOLS



This site is no longer updated. [Go to react.dev](#)

[Docs](#) [Tutorial](#) [Blog](#) [Community](#) [Research](#)

Recommended Tools

Jest is a JavaScript test harness that allows you to access the DOM via `jsdom`. Even though `jsdom` only partially simulates how a browser works, it's often enough to test your React components. Jest combines excellent iteration speed with powerful features such as `module` and `clock` isolation, so you can maintain fine-grained control over how your code runs.

The React Testing Library provides a set of utility functions for testing React components without depending on their implementation details. This approach makes it easier to change internal design and points you in the direction of better practices in terms of accessibility. Even if it doesn't provide a way to achieve the "superficial" rendering of a component (without its children), it can be achieved with a harness such as Jest and its `isolation` mechanisms.

RTL : CRASH COURSE



By Eng ZOHAIR KHARRICHA

CYPRESS JS CRASH COURSE



By Eng BOUCHAIB KENDALI

THANK'S FOR WATCHING

