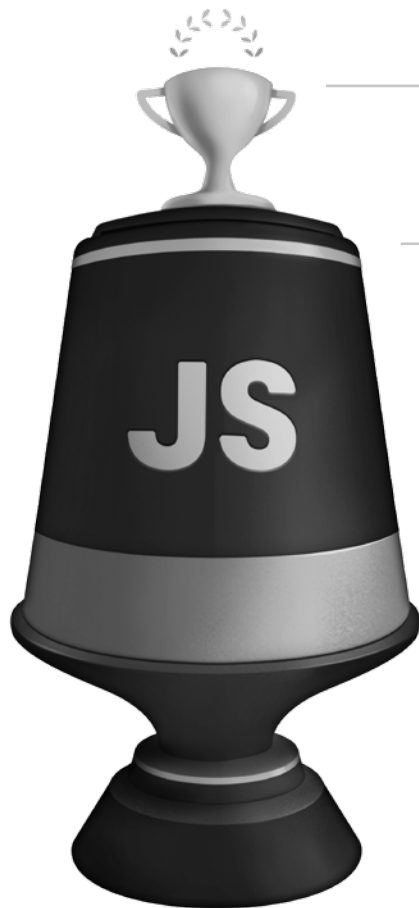# How to Win at JavaScript Testing

Your essential guide to flawless testing

THE FOUR TYPES OF TESTS

End to End

A helper robot that behaves like a user to click around the app and verify that it functions correctly.
Sometimes called "functional testing" or e2e.

Integration

Verify that several units work together in harmony

Unit

Verify that the individual, isolated parts work as expected

Static

Catch typos and type errors as you write your code

INTEGRATION TESTS ARE THE BEST BALANCE OF CONFIDENCE AND SPEED TO WRITE AND RUN.

Why do I write tests?

I write tests because they allow me to accomplish more than I could otherwise. I now have thousands of Kents in the form of automated tests telling me whether changes are breaking use cases. With that venerable army of robots, I'm able to rest easy and get more accomplished. **KENT C DODDS**

"

GUILLERMO RAUCH

Write tests.
Not too many.
Mostly integration.

TESTING IS IMPORTANT, BUT IT'S EASY TO GO OVERBOARD. THERE ARE BALANCES TO STRIKE

Don't TDD Everything

Don't Mock Too Much

Don't Strive for 100% Code Coverage