

PREPARED FOR:



Looking to Test Decoupled Sites?

Get Ready to Be Impressed with Cypress!

Your Presenters



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Agenda

01 What's Cypress?

02 Why Cypress?

03 Live Demos!

04 Q&A

01

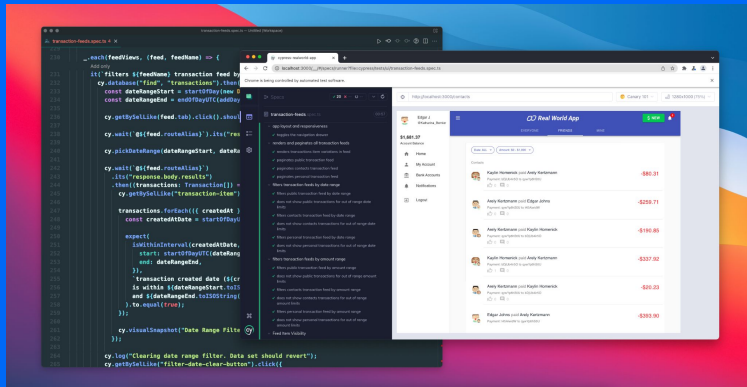
What's Cypress?

“Fast, easy and reliable testing for anything that runs in a browser.”

- Open Source + optional SaaS products
- Fast End-to-end testing solution for browsers
- All-in-one solution
- For any frontend framework
- Includes modern testing features you expect and more
- Designed for developer and QA teams
- Not Selenium-based
- All tests written in JavaScript



Features



- Time Travel
- Debuggability
- Automatic Waiting
- Spies, Stubs, and Clocks
- Network Traffic Control
- Consistent Results
- Screenshots and Videos
- Cross browser Testing

02

Why Cypress?

Open Source + SaaS



Easy Installation



```
$ npm install cypress
```

Excellent Documentation

The screenshot shows the Cypress documentation website. The navigation menu on the left includes: Overview, Getting Started, End-to-End Testing (with sub-items: Introduction to E2E Testing, **Writing Your First E2E Test**, Testing Your App, Testing Strategies), Auth0 Authentication, Amazon Cognito Authentication, Okta Authentication, Google Authentication, Working with GraphQL, Migrating from Other Frameworks, Protractor to Cypress, Component Testing, Core Concepts, and Dashboard.

Writing Your First E2E Test

What you'll learn

- How to start testing a new project in Cypress.
- What passing and failing tests look like.
- Testing web navigation, DOM querying, and writing assertions.

The bottom of the image shows a preview of the Cypress playground interface. It displays a code editor with the following code:

```
1 describe('My First Test', function() {
2   it('Gets, types and asserts', function() {
3     cy.visit('https://example.cypress.io/commands/actions')
4
5     // Verify the page loaded
6     cy.contains('type').click()
7
8     // Check that the input has the value 'fake@email.com'
9     cy.get('input').type('fake@email.com').should('have.value', 'fake@email.com')
10
11     // Submit the form and check that the page redirected to the '/submit' page
12     cy.get('#submit').click().should('have.attr', 'href', '/submit')
13   })
14 })
```

Cypress App

The image shows a Cypress test runner interface on the left and a browser window on the right. The browser window displays a web application titled "Real World App" with a navigation bar and a main content area. The main content area shows a search bar with the placeholder text "[data-test=user-list-search-input]" and a list of contacts. The Cypress test runner shows a test suite with 13 steps, including database seeding, login, and transaction creation. The test runner also shows the current test step: "GET [data-test*=new-transaction]".

Test Runner (Left Panel):

- 6 Tests passed, 17.28s duration.
- BEFORE EACH:
 - TASK db:seed
 - DATABASE filtering within users data
 - LOGIN BY XSTATE Authenticating | Austen48
 - WAIT @loginUser
 - (XHR) POST 200 /login (loginUser)
 - (NEW URL) http://localhost:3000/
 - (XHR) GET 200 /bankAccounts
 - (XHR) GET 200 /transactions/public (publicTransactions)
 - (XHR) GET 200 /notifications (notifications)
- TEST:
 - GET [data-test*=new-transaction]
 - CLICK
 - (NEW URL) http://localhost:3000/transaction/new
 - (XHR) GET 200 /users (allUsers)
 - WAIT @allUsers
 - GET [data-test*=user-list-item] (4)
 - CONTAINS Delta
 - CLICK {force: true}
 - GET [data-test*=amount-input]
 - TYPE 95
 - GET [data-test*=description-input]
 - TYPE Fancy Hotel 🏨
 - GET [data-test*=submit-request]
 - CLICK
 - (XHR) POST 200 /transactions (createTransaction)
 - WAIT @createTransaction

Browser Window (Right Panel):

- URL: http://localhost:3000/transaction/new
- Page Title: Real World App
- Navigation: \$ NEW, 8 notifications
- Progress: 1 Select Contact, 2 Payment, 3 Complete
- Search Bar: [data-test=user-list-search-input] (Selected), Search...
- Contact List:
 - Delta Littel: U: Madyson22 · E: Soledad.Boyle15@yahoo.com · P: 733-459-1151
 - Citlalli Herzog: U: Presley_Turner61 · E: Heloise.Medhurst@yahoo.com · P: 151-761-6860
 - Misael Hettinger: U: Gerald.Barton · E: Jackie.Tremblay@gmail.com · P: 515-196-8584
 - Ivory Christiansen: U: Ayana_Schmitt · E: Donnie.Heller53@yahoo.com · P: 508.422.4827
- Footer: Built by Cypress

Cross-Browser Testing



03

Live Demos!

Q&A

Thank you for attending our session! We are happy to continue the conversation during and following the camp.

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