ONE PAGE SUMMARY

IT & Software › QA Automation › Cypress

Introduction to Cypress

Cypress: The Future of End-to-End Testing

DEFINITION

> Cypress is a modern testing framework that simplifies end-to-end testing for web applications. It allows developers to write tests in JavaScript and run them directly in the browser.

KEY CONCEPTS

Real-time Reloads

Cypress automatically reloads tests as you make changes, providing instant feedback.

Time Travel

Cypress allows you to hover over commands in the test runner to see snapshots of your application at each step.

Automatic Waiting

Cypress waits for elements to appear before executing commands, reducing flaky tests.

Network Traffic Control

Cypress can stub and control network requests, enabling testing of various scenarios without relying on backend services.

Easy Setup

Cypress is easy to install and set up, requiring minimal configuration to get started.

EXAMPLES

→ cy.visit('https://example.com')

→ cy.get('button').click()

→ cy.intercept('GET', '/api/data', { fixture: 'data.json' })

MEMORY TIPS

★ Remember 'Cypress' like 'see press' to visualize testing interactions.

★ Think of 'Time Travel' as a way to rewind your tests.

★ Use 'Automatic Waiting' to recall that Cypress waits for elements before actions.

COMMON MISTAKES

✗ Forgetting to use 'cy.wait()' for asynchronous actions.

✗ Not using 'data-*' attributes for selecting elements.

✗ Overlooking the importance of cleaning up after tests.

QUICK RECAP

Cypress is a powerful tool for testing web applications with features like real-time reloads and automatic waiting. It enhances the testing process by providing easy setup and control over network traffic. Remember its key concepts to excel in using Cypress effectively.