Testing React Components

Chris Minnick
CEO, WATZTHIS

@chrisminnick www.watzthis.com

Pretest

What should you test?

How do you test asynchronous code?

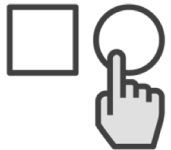**How do you do HTTP Requests in React?**

What Should Be Tested in a React Component?
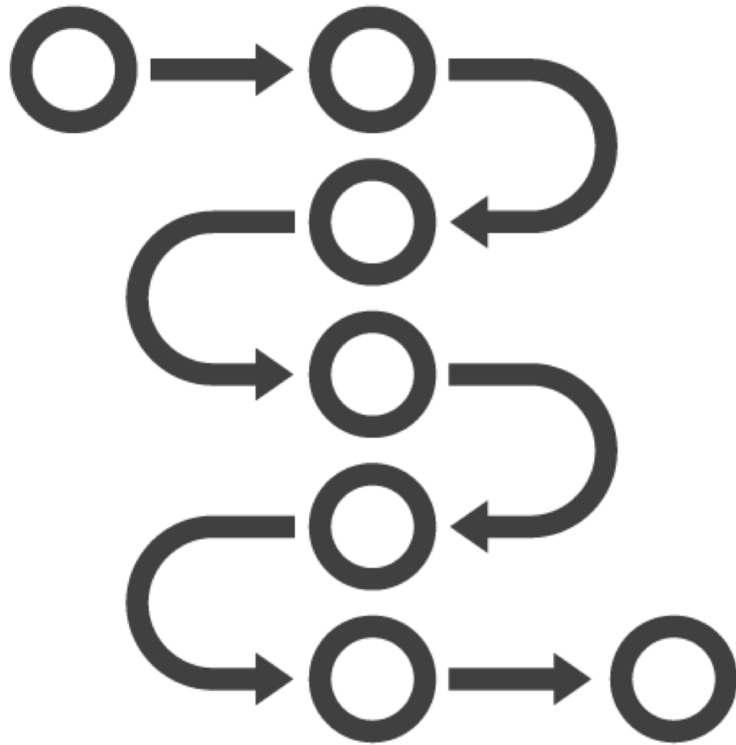
Test the output

Test the states

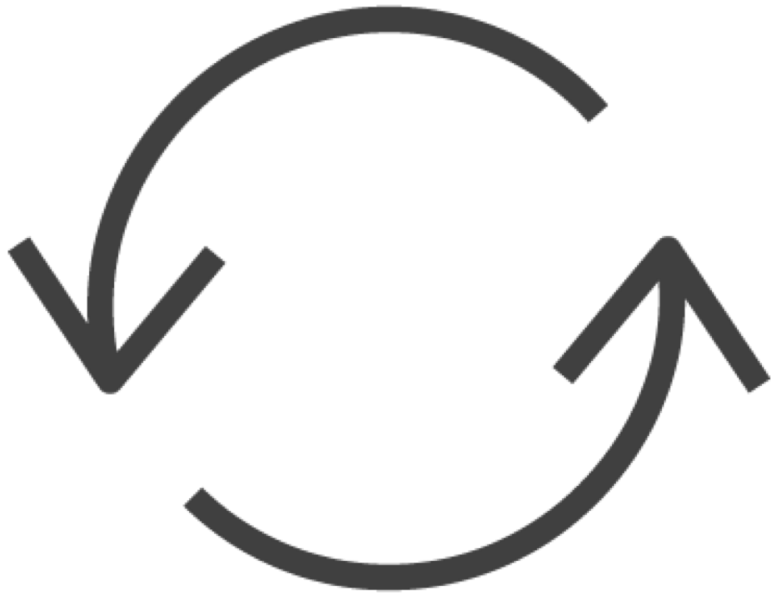Test the events

Test the edge cases

Pure Functions

Always return the same result given the same arguments

Don't depend on the state of the application

Don't modify the variables outside of their scope (no side effects)

Lifecycle Methods

Mount / Unmount

- constructor()

- render()

- componentDidMount()

- componentWillUnmount()

Updating

- shouldComponentUpdate()

- render()

- componentDidUpdate()

Demo

Create a Manual Module Mock

Demo

Write an Asynchronous Test

Demo

Test for State Updates in Response to AJAX requests

Summary

Using Lifecycle Methods

Making Ajax Requests in React

Understanding Pure Functions

Creating Test Mocks