

Here's the plan



We'll test

- Connected components
- Redux
 - Action creators
 - Thunks
 - Reducers
 - Store



Testing Connected Components



Two Goals

1. Test markup
2. Test behavior



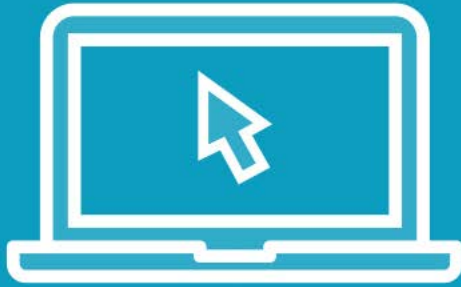
Testing Container Components

They're wrapped in a call to connect! What do I do?

- 1. Wrap with `<Provider>`**
- 2. Add named export for unconnected component**



Demo



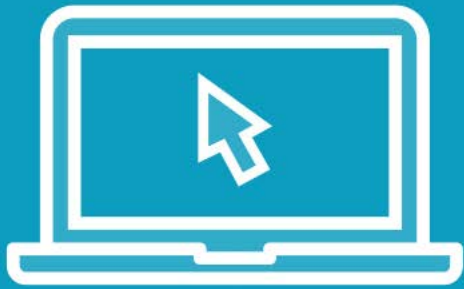
Testing Connected Components



Testing mapStateToProps



Demo



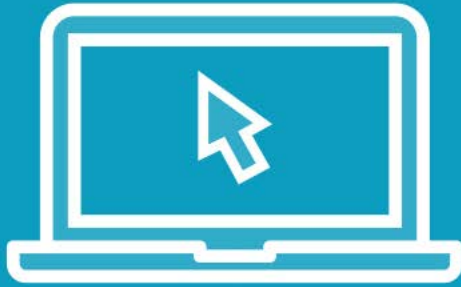
Testing `mapStateToProps` via extraction



Testing Action Creators



Demo



Testing Action Creators



Testing Reducers



“...people who never wrote unit tests for front-end apps started writing them because it is just so easy to test reducers.”

Dan Abramov



Given this input,
Assert this output.



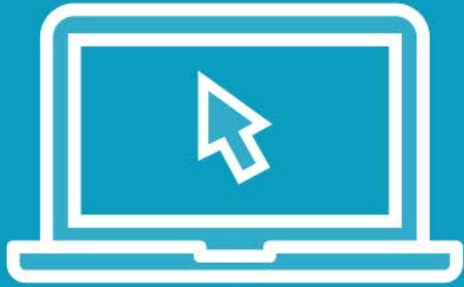
Redux Test Recorder

Create Reducer tests by simply interacting with your app!

The screenshot shows the GitHub repository page for `conorhastings/redux-test-recorder`. The browser address bar shows the URL `https://github.com/conorhastings/redux-test-recorder`. The repository name is `conorhastings / redux-test-recorder`. It has 5 watchers, 165 stars, and 2 forks. The repository has 7 issues, 0 pull requests, a Wiki, Pulse, and Graphs. A yellow banner indicates "No description or website provided." Below the banner, statistics show 137 commits, 3 branches, 46 releases, and 2 contributors. The commit history table lists recent changes:

| Commit | Message | Time |
|---------------|---|------------------------------------|
| conorhastings | use modern createStore in readme | Latest commit b70de9f 16 hours ago |
| demo | add background color to demo on master | 3 months ago |
| src | fix some test formatting | 2 days ago |
| tests | add test asserting previous tests are saved | 17 days ago |
| babelrc | highlight active tab | 17 days ago |

Demo



Testing Reducers



Testing Thunks



Testing Thunks

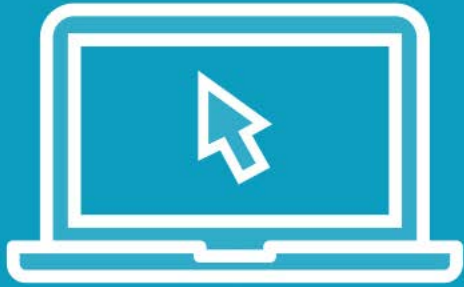


Mock two things:

- Store
- HTTP calls

`redux-mock-store`
`nock`

Demo



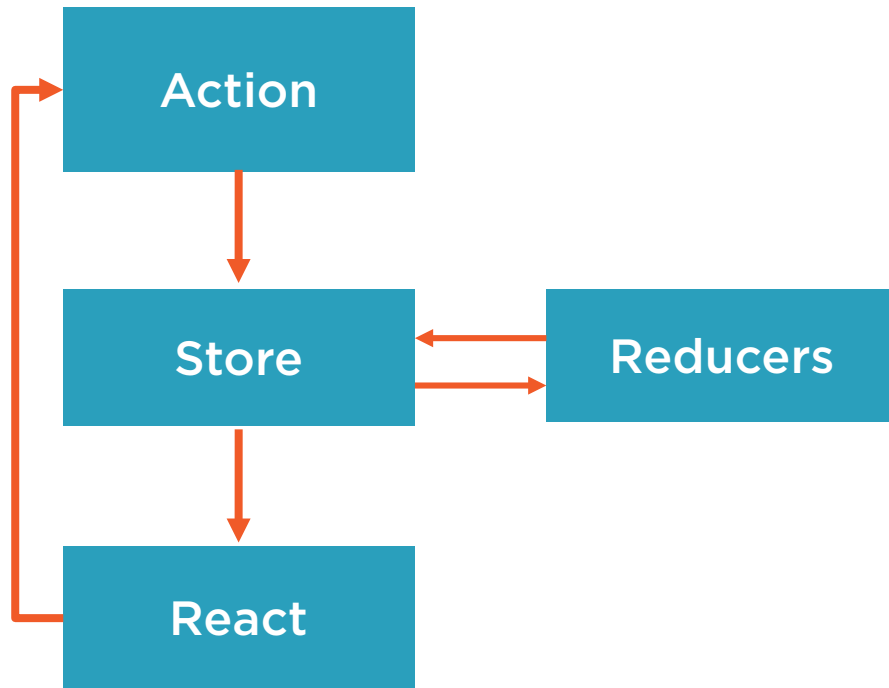
Testing Thunks



Testing the Redux Store



Testing the Redux Store



James Kyle
@thejameskyle



Follow

Redux users: Do you test (synchronous) action creators and reducers independently?

34% Yes

19% No

10% Sometimes

37% I don't use/test Redux

481 votes • Final results

RETWEETS

3

LIKES

5



3:44 PM - 4 Mar 2016

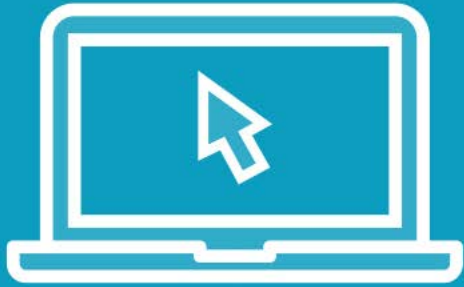


Dan Abramov @dan_abramov · Mar 4

@thejameskyle I would suggest testing reducer + selector + action creators together as a kind of an integration test.



Demo



Integration Testing the Store



Wrap up



Tested

- Connected React components
- Redux
 - Action creators
 - Thunks
 - Reducers
 - Store

Next up: Production Build

