React + Redux

Questions

- I have a Redux app, how do I add React?
- What is the react-redux npm module?
- What is a Provider?
- What is a "Dumb Component"?
- What is a "Smart Container"?
- What is the connect function?
- What is mapStateToProps?
- What is mapDispatchToProps?
- Why do I bring in my action creators into a Smart Container?

I have a Redux app, how do I add React?

Setup

- make a separate create-react-app project
- in that project, npm install redux react-redux
- copy over your store.js file from your redux project
- change your store.js requires to imports and your module.exports to export

What is the react-redux npm module?

• it's "glue" module that lets react and redux talk to each other

What is a Provider?

- it's a component that is part of the react-redux npm module
- you wrap your whole react + redux app in it
- you give it a reference to your redux store
- it makes the store available to everybody

What is a "Dumb Component"?

- it's just a function component
- it accepts props
- it returns some JSX

What is a "Smart Container"?

- it's a file
- it has two functions that describe how to translate redux state into react props
- it returns a new, enhanced version of a Dumb Component

What is the connect function?

- wires together a redux store and a Dumb Component
- it returns a new, enhanced version of the Dumb Component

What is mapStateToProps?

- a function
- receives a copy of the current state
- it returns an object that says what React props equal what Redux state

What is mapDispatchToProps?

- a function
- receives a reference to Redux's store.dispatch
- it returns an object that lists React props, whose values are our helper functions
- the helper functions call store.dispatch

Why do I bring in my action creators into a Smart Container?

• you need to call them and pass the result to dispatch