Creating a View Layer with React and Redux
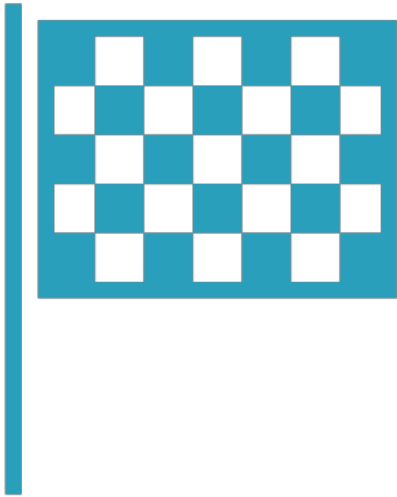
Daniel Stern

CODE WHISPERER

http://github.com/danielstern

Creating a View Layer with
React and Redux: Goals and Limitations

Goal: Create a view layer which is fast, usable and easy to maintain

Limitation: Until we add back end in next module, data cannot be persisted

Roadmap: Creating a View Layer

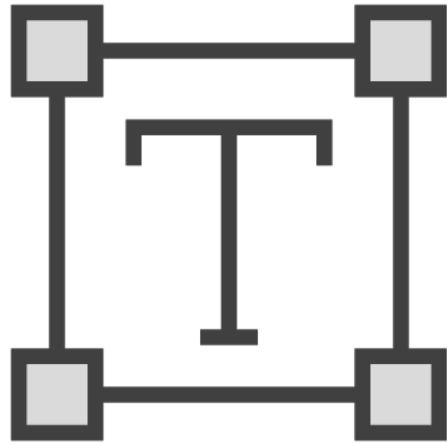Set up Webpack to compile our ES6 and JSX into JavaScript, compile app

Create mock application state using Redux
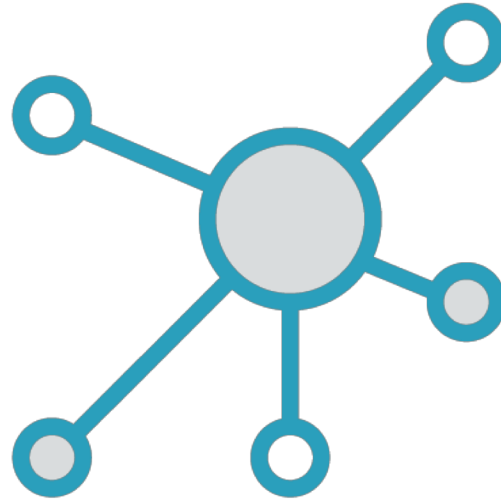
Create "dashboard" component to display list of tasks

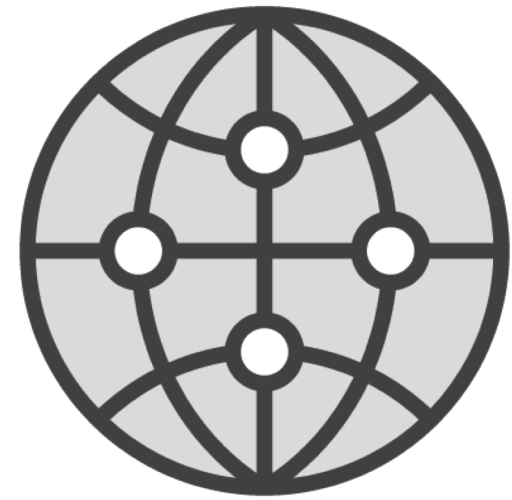Create "task detail" where users can update tasks

Coding Along: Prerequisites

Text Editor

WebStorm (paid) or
Atom (free)

Node.js

Installed on
workstation with
admin privileges

Modern Browser

Chrome or Firefox

Coding Along / Troubleshooting

All code is at
https://github.com/danielstern/express-react-fullstack

Coding Along / Troubleshooting

react @16.4.2

All code is at https://github.com/ danielstern/express-react-fullstack

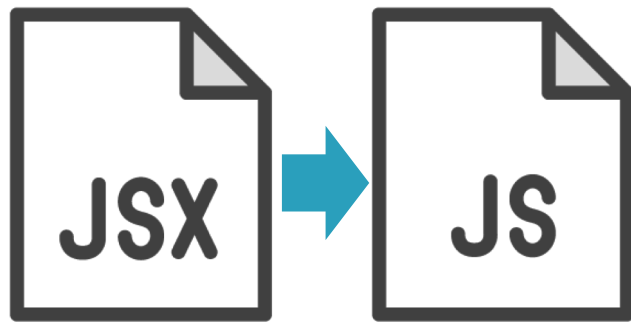**Version numbers of NPM libraries are key**

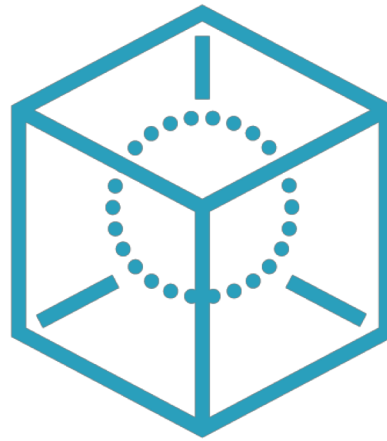**Refer to finished application in event of any confusion**

Setting up Webpack to Compile Our Application

Webpack

Uses *babel* used to convert *.jsx* and ES6 files into *.js* files

Bundles sets of files connected by import statements into one file

Uses *webpack-dev-server* plugin to create convenient environment

Demo

Install Webpack, Babel and other libraries needed for bundling and transpilation

Create `.babelrc` file to define how `.jsx` and ES6 should be handled

Create `webpack.config.js` file to describe how our app should be bundled

Create stubs for `index.html` and `index.js`, which will form the basis of our app

On completion, app should say "hello world" in JS and HTML