

Redux Basics:

Resources:

<https://redux.js.org/>

<https://react-redux.js.org>

<https://reactrouter.com/web/guides/quick-start>

1. What is redux and what is it used for?
2. Explain the “Provider” component from “react-redux”.
2. How many reducers can you have in your redux app?
3. What is “combineReducers” from Redux used for?
4. What is the React Router library for?
5. Explain what each following are for in react router(<https://reactrouter.com/>):
 - <BrowserRouter />
 - <Switch />
 - <Route />
 - <Link />

Provide a link to a github repo with a app that has the following:

From Old Homework:

- Create a react app. (<https://reactjs.org/docs/create-a-new-react-app.html#create-react-app>)
- Put redux on it. (Wrap your app with the Provider component and make sure to pass a store prop to Provider).
- Add shopping cart functionality using redux to keep track of it.
- Use at least one [action creator](#).

[For this homework:](#)

- Add a user login functionality (no back-end). When a user logs in, add their user data to the redux store.
- Use a react router to have a user or profile page.
- In the user/profile page, Allow users to save their favorite color. Save their favorite color in the redux store.
- Make another component in the website that uses that data.
- Call a weather api to get the weather and store it in redux (Use react thunk for this).