Creating the store lab

Now that we've gotten a taste for React[1], it's time to get rolling with Redux. Let's use some starters I'll provide you.

1. Create the store folder under src.
2. Add a file called store.js to it.
3. In that file create an initial state like this:

```
const initialState = {
  cart: {seats:[], food:[]},
  currentDate: new Date().setHours(0,0,0,0),
  films: [],
  reservations: [],
  showings: [],
  theaters: [],
};
```

4. Create the world's simplest reducer like this:

```
const reducer = (state, action) => state;
```

Next we want to create our Redux store so that it can be used in a React application.

5. At the top of store.js, import createStore from the redux library.
6. Call createStore passing in your reducer and your initialState. It will return an instance of the store. Save that to a const and export it.
7. This store will be needed in our React app, so import it at the top of App.js. If there are errors in your store.js, this is where they'll show up. Go ahead and fix any problems that show up here.
8. Let's just make sure that we've set it up properly so far. Put this code at the top of App.js:

```
import React, { useEffect, useState } from 'react';
```

9. And put this just inside the App function:

```
const [state, setState] = useState(store.getState());
useEffect(() => {
  console.log("Store is", store);
}, []);
```

Don't worry about this useState and useEffect stuff because it's unrelated to Redux. These are some React things and will be explained later in the course. For now, just know that setState is a function that will redraw the app after setting the state object. And that useEffect setup will run some things only the first time the component is rendered.

10. Run and test. Take a look in the browser's console and examine the store. It's pretty simple, right? Do you see some familiar things in there?

We have a store. It's pretty lame so far but in the next few labs we'll be adding lots of capability to it. Stand by for that.

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[1] Note: This lab was designed to run after the create-react-app lab. Please make sure that lab is complete before you start to work on this one.