

# Hello Redux Lab

Now that we've gotten a taste for React<sup>1</sup>, it's time to get rolling with Redux. So let's use some starters I'll provide you.

1. Open a bash window and cd to the client directory where you created your React app. This is the root of your React application.
2. To spare you writing some HTML, CSS, and React that you may not be familiar with, we've provided you with some starter file. Go ahead and copy them like so:  
`cp ../starters/redux/* src`

3. The starters are using a library to provide a Material Design look and feel called materialize-css. Go ahead and npm install that:  
`npm install materialize-css`

4. Edit App.js. Add this to the top of the file:  
`import 'materialize-css/dist/css/materialize.css';  
import { Register } from './Register';  
import user from './user.json';`

5. Add this at the bottom of your <div>  
`<Register person={user} />`

6. Start your React app:  
`npm start`

You should be seeing a registration page. It should look good, but not work yet. When you type into the input fields, it doesn't respond. That's normal at this stage. Our eventual goal will be for us to have the summary data at the top to change as the user is typing down below.

7. Examine the page. Discuss with your partner; how would this be done if you didn't have React or Redux? What if you had to use vanilla JavaScript? What would you do if the business requirement was for you to save to a RESTful server on every keystroke? What if you needed to save to local storage on every keystroke?

Obviously this would get very complex very quickly.

## Install Redux

8. Open your bash window and Install redux via npm:  
`npm install redux`
9. Run and test one more time just to make sure the page still works. It shouldn't behave any differently. But now that we're set up, we can add the Redux functionality. We'll do that in the subsequent labs.

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<sup>1</sup> 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.