# LMSv3 React App Documentation

## External Packages

* moment
* react-calendar
* react-circular-input
* react-router-dom
* recharts
* react-helmet
* three
* @react-three/fiber
* @react-three/drei
* axios
* react-colorful
* react-redux, @reduxjs/toolkit

## Design Specs

<https://xd.adobe.com/view/49322a84-66bd-4035-9f38-c26e3980fee5-1c61/specs/>

## Source Directory Organisation

**Entry point:**

src/index.js

* Renders Main (in src/Main.js) component.

src/Main.js

* Contains the Helmet (page title), default routes and wraps the app with the Redux store provider.

**Folders:**

src/components

* Contains all the components used in the app.

src/components/three

* Contains the components used for the three.js scene.

src/redux

* Contains the Redux store.

src/resources

* Contains all image and font resources. (sorted by components or pages)

src/resources/css

* Contains all CSS files used in the app.

## Redux

**store.js**

Contains the Redux store and its list of variables/reducers.

**create.js**

Contains a helper function used to initialise a variable in the store, which is used in the slice files in this folder.

## Components

### Web page components (in order of accessing them from the start):

**LoginForm**

The initial page of the site which contains a link to the sign-up form.

**SignUpForm**

Renders the sign-up form on the initial page.

**Dashboard**

Renders the landing page after login, as well as the dashboard after the user selects "block" and "area". Persistent elements of the page such as the location selectors, sidebar, notifications, and user profile dropdown lists are held here.