Hometask #2 | React, Redux
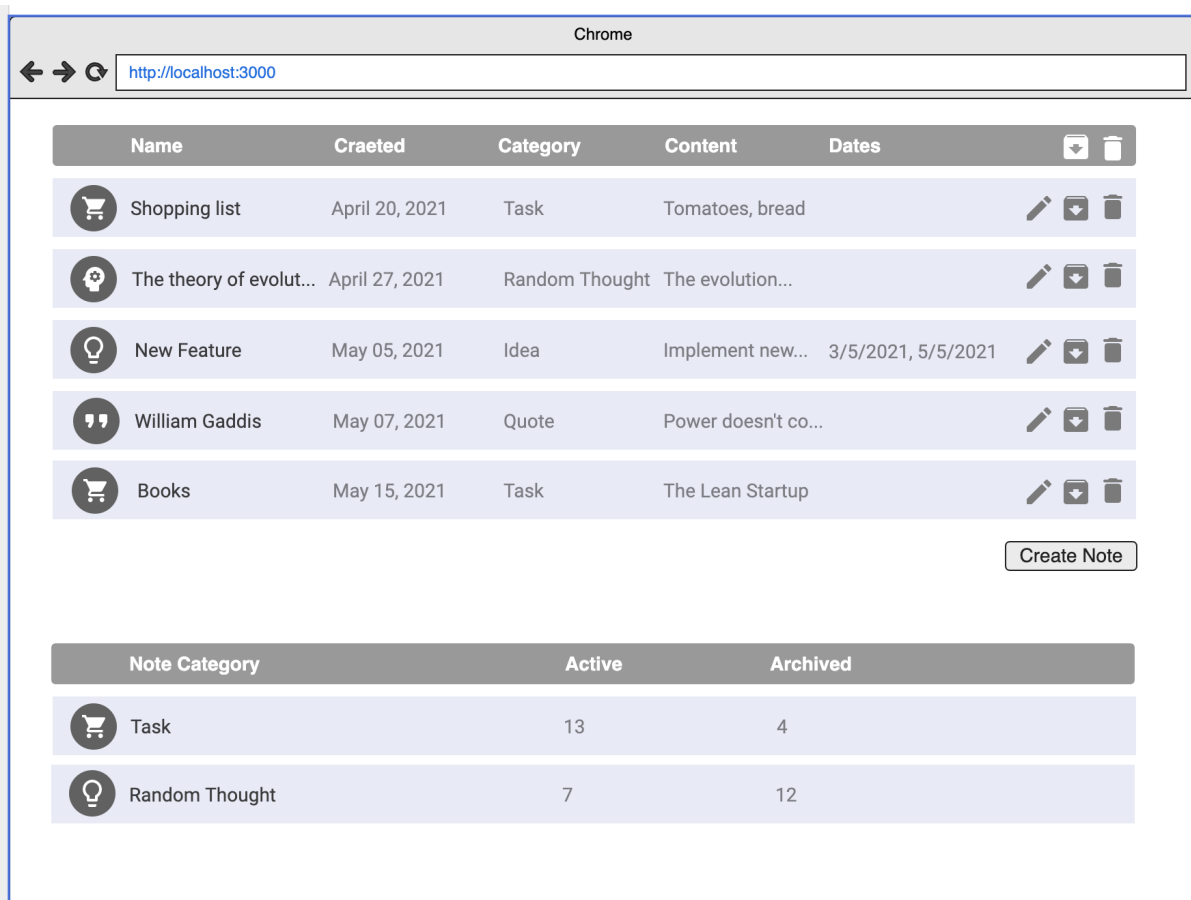
1. Your task is to rewrite the existing notes app using React.js, Redux (or Redux Toolkit) and **TypeScript**.
2. All the functionality should be the same - users can add, edit and remove notes, archive and unarchive them.
3. Store data in the redux store. Prepopulate it with 7 notes and use it by default as an initial state so that they are shown when the page is reloaded.
4. Aim to structure components properly (container, page, component), reuse components, and reflect the apps component hierarchy:
   https://dev.to/admantium/structuring-react-components-n6g
5. Bonus task: Tables for "List of notes" and "Summary" should use the same table component.

| | Chrome | | | | | | |

← → ↻ http://localhost:3000

	Name	Craeted	Category	Content	Dates	⬇	🗑
🛒	Shopping list	April 20, 2021	Task	Tomatoes, bread		✏ ⬇ 🗑	
💡	The theory of evolut...	April 27, 2021	Random Thought	The evolution...		✏ ⬇ 🗑	
💡	New Feature	May 05, 2021	Idea	Implement new...	3/5/2021, 5/5/2021	✏ ⬇ 🗑	
💬	William Gaddis	May 07, 2021	Quote	Power doesn't co...		✏ ⬇ 🗑	
🛒	Books	May 15, 2021	Task	The Lean Startup		✏ ⬇ 🗑	

Create Note

	Note Category	Active	Archived
🛒	Task	13	4
💡	Random Thought	7	12

The goal of the task is to let you get better acquainted with React.js and Redux. If you don't know some of the APIs needed for the task, you might use these resources as references:

https://reactjs.org/docs/getting-started.html
https://redux.js.org/api/api-reference

While working on your task you should utilize all of the following**:**
1) React
   a) Functional (a.k.a. stateless) component
   b) React Hooks
2) Redux
   a) Use Action Creators, write meaningful action names
   b) Keep the immutability and readability of your reducers
   c) Do not transform your store data in the components
   d) Use the Redux DevTools Extension for Debugging

To set up the basic React app structure use Create React App:
https://reactjs.org/docs/create-a-new-react-app.html

Using template "typescript":
npx create-react-app my-app --template typescript

Or use the following guide:
https://create-react-app.dev/docs/adding-typescript

To connect the Redux library use Redux Core or Redux Toolkit (which is not recommended for beginners):
https://redux.js.org/introduction/getting-started

Or, as a basic boilerplate use the following repo:
https://github.com/yogeshdatir/React-Notes-and-Collections/tree/master/Redux/redux-boiler-plate/src/components

Use the following guide for writing the application using the best practices:
https://redux.js.org/style-guide/style-guide

The task should take 1-3 days. If you have any questions, do not hesitate to ask them in the Slack channel #task2.