Final assignment for The Complete React Bootcamp 2020 (w/ React Hooks, Firebase)

E-commerce shopping cart application

Create a simple e-commerce app where users can view products and add them to the shopping cart.

Requirements:

- Must include 3 main pages: Home, Category (dynamic), Checkout
- Home page must have a menu for all categories available. Each menu item is a link to appropriate category page
- Category page must list all category products
- Checkout page must show all items in the shopping cart and allow user to manipulate them
- Category page must have at least one filter for displayed products (e.g. delivery checkbox)
- Must include essential shopping cart management: add/remove item to/from cart, increase/decrease number of items in a cart
- Must persist cart state if page is refreshed (e.g. in local storage)
- React hooks for state management

Recommendations and suggestions:

- Scaffold the app with create-react-app
- Use provided .json files as a database (import data from "file.json")
- Use Context API to manage global state
- Remember that you have multiple hooks for state in your disposal: useState and useReducer
- Keep products in state and operate with the state instead of imported version (i.e. don't directly operate on the data variable when you "import data from products.json")
- For category pages, implement dynamic routes with React Router. Use category id as the parameter
- Don't be scared of googling for a code snippet / solution

Resources:

- Two .json files as a harcoded database: categories.json, products.json

Useful links:

- Will push you if you deadly stuck with shopping cart:
  https://codepen.io/ChillyPenguin7/pen/EMWBqJ
- The answer here can give you the idea how to do filtering:
  https://stackoverflow.com/questions/57861003/how-to-filter-search-in-react
- Can help you if you stuck with shopping cart. Although the article is intented for typescript users, it can give you the idea how to move on: https://elisealcala.com/context-use-reducer-typescript/