

Ecommerce



ReactJS FullStack Project (PART 1)

Aim of this project

- Create a full ReactJS project
- Learn how to use Components, Props, Smart & Dump components, redux, react-router.
- This project will contain a Front-End part as well as an API linked to a MySQL database
- To perform this project you will chose your buddy and will work in a team of two.
- One of the goal of this project is also to teach you to be autonome when you do not know a technology
- You will need a Git repository of course, but better than your previous ones...
- This is new for everyone, so don't think to much, try and retry and retry until you succeed !

First Step : Two Tables

- 1 : We want you to create 2 different tables “users” and “products”. The columns inside your tables are on your choices (but discuss with your trainers to validate your conception).
- 2 : “Users” will store your registered users (as you guess)
- 3 : “Products” will store the different products you are selling (Products can only be created by a connected user).

First Step : API User Routes

- GET /users/ ⇒ Return the list of registered users (return only Names and Ids)
 - POST /users/sign-up ⇒ Will add a user in the Users table (of course the password will be encrypted...)
 - POST /users/sign-in ⇒ Will check whether the password is the good one for this specific email. If so it will deliver a JWT including Email and Id of this User.
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- GET /users/:id ⇒ Return all the datas of this specific User (including the name of the products he created...)

First Step : API Products Routes

- GET /products/ ⇒ Return the list of registered products (return only Names and Ids, Prices)
- POST /products/ ⇒ Will add a product in the Products table (only if the user who create the product has a good JWT...)
- GET /products/:id ⇒ Return all the datas of this specific Product (including the name of the user who created it, the category, the description etc...)

First Step : Mockups

- Make the Mockups of your different pages (Home displaying the products / Sign in page / Sign up page / Adding product page / ProductPage / “Product List you created” page).
- Make both mobile phone and desktop mockups.
- Make it very easy with too much complicated stuffs

First Step : Front-End

- Using ReactJS you will have to implement and integrate you mockups
- You can start by the part you want. But we encourage you to start with “fakes” that means without the true connection to the API (in order to learn how to render a list of fake products by example).
- You will have to work with react-router-dom as well to have multiple “pages” (Home / SignIn / SignUp / CreateProducts / ProductPage / ProductYouCreatedPage)
- You will also work with a store (react redux)
- Use Bootstrap React, which is pretty much the same as BootstrapVue

First Step : Help

- We advise you to start one page together, then to share the rest in order to have some assigned tasks.
- We do not want you to watch long video tutorials (waste of time).
- Ideally, do not follow “complete tutorials”, none will make what we want you to do.
- Basically, we already did everything we ask you. API / DB / Displaying a List and so on...
- This step is really the hardest we will do for this project. It means you will create your own logical, your own implementation. Please, do not panic, we are here to help you and your workmates too.

First Step : Help

- Be confident with yourself. If you think something can be done in a way, then try, you will see.
- Have a good conversation with your teammate in order to be sure you want the same things before starting.
- Once again, do not panic. This project isn't a punishment, it's an occasion to learn, to practice and to validate your skill tree at level 3.
- This may looks like a complete project, but actually, isn't a complete ecommerce platform, it lakes lots of features but we will implement those on next steps.
- HAVE FUN, PRACTICE, TRY, FAIL, RESEARCH, TRY, FAIL, RESEARCH, TRY, SUCCESS