

UPayments React JS Case Study

Functionalities:

1. Get the products and categories from the API and list on the Home Page
2. When a product is clicked, navigate to Detail Page with that product's information
3. With help of a button, go to Create Screen and create a product from there
 - a. Product object must contain these fields while sending a post request:
 - i. Name (string)
 - ii. Price (number)
 - iii. Category (string)
 - iv. Description (string)
 - v. Avatar (string)
 - vi. DeveloperEmail (string, **enter the email you entered while registering the app**)
4. Filter the listed items according to their Categories
5. Delete a product. (Only from redux.)
6. Can add a product to favorites and display the favorite products under the favorites page. (Only add to redux. Should persist when we reopen the application.)

Required Technologies:

- i. Typescript
- ii. Redux toolkit
- iii. TailwindCSS

You are free to use any third party libraries that you would like to.

Extras:

- i. Writing unit tests will be a plus.

To access the api, you need to register to our application from the following link:

- A. <https://upayments-studycase-api.herokuapp.com/>
- B. **Make sure you entered your valid email address and Github link in the registration**
- C. After registration, you will receive a "Bearer" token, you have to use this token for every request you will make.

The API endpoints for this application is as follows:

- Products
 - ◆ [GET: https://upayments-studycase-api.herokuapp.com/api/products](https://upayments-studycase-api.herokuapp.com/api/products)
 - ◆ [GET: https://upayments-studycase-api.herokuapp.com/api/products/{id}](https://upayments-studycase-api.herokuapp.com/api/products/{id})
 - ◆ [POST: https://upayments-studycase-api.herokuapp.com/api/products](https://upayments-studycase-api.herokuapp.com/api/products)
- Categories
 - ◆ [GET: https://upayments-studycase-api.herokuapp.com/api/categories/](https://upayments-studycase-api.herokuapp.com/api/categories/)
 - ◆ [GET: https://upayments-studycase-api.herokuapp.com/api/categories/{id}](https://upayments-studycase-api.herokuapp.com/api/categories/{id})

****Please create a **private GitHub** repository that is called "{yourName}-reactjs" and give access to the following emails.**

- sefa.ilyasoz@upayments.com
- anant.panchal@upayments.com
- mohamed.shameem@upayments.com