

Catalog management application

You need to develop a react single page application that allow registered users to manage product catalog according to the below requirements



Layout: The application will be divided into 4 areas

Header: View user data or relevant message

Footer: Static view with website details

Left menu: Contains the actions user can do

Main page : Working area where users can list / add/ update/ remove products.

Database:

Mongo db

name : productsDB

Collections: Users, products

Login: users need to register to the website then they can login using

Login form: asks for user username / password

Registration form: asks for:

First_name:

Last Name:

Email:

Date of birth:

Username

Password

Product: All registered user can **view / search** products in the system but only **admin** users can **update add or delete products**

Product Schema:

```
{
  product_id: integer,
  prodct_name: string,
  Product_desciption:string,
  createtion_date: Date,
  status: boolean,
  Current_stock_level:double // you can add any additional attribute you want
}
```

UserSchema:

```
{
  user_id: integer,
  user_name: string,
  first_name:string,
  birth_date: Date,
  status: boolean,
  isAdmin:boolean,
  Preferences:{
    Page_size: integer (with default value 12) use mongo limit
  }
}
// you can add any additional attribute you want
```

General requirements:

- Use jwt to authenticate users by token validation middleware
- Unauthenticated requests should be redirected to login page
- User can edit his profile and update his preferences

- Init the db with at least one Admin user

Bonus:

Git

Paging