

Introduction to Stock App



Project

You'll build a Stock Management API with Django Rest Framework that allows users ,

- **Register/login/logout**
- **CRUD operations for Product, Stock, Firm, Brand, and Category according to user's roles**

Our Technology Stack

DEVELOPMENT

FRONTEND



BACKEND



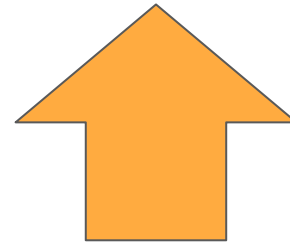
DATABASES



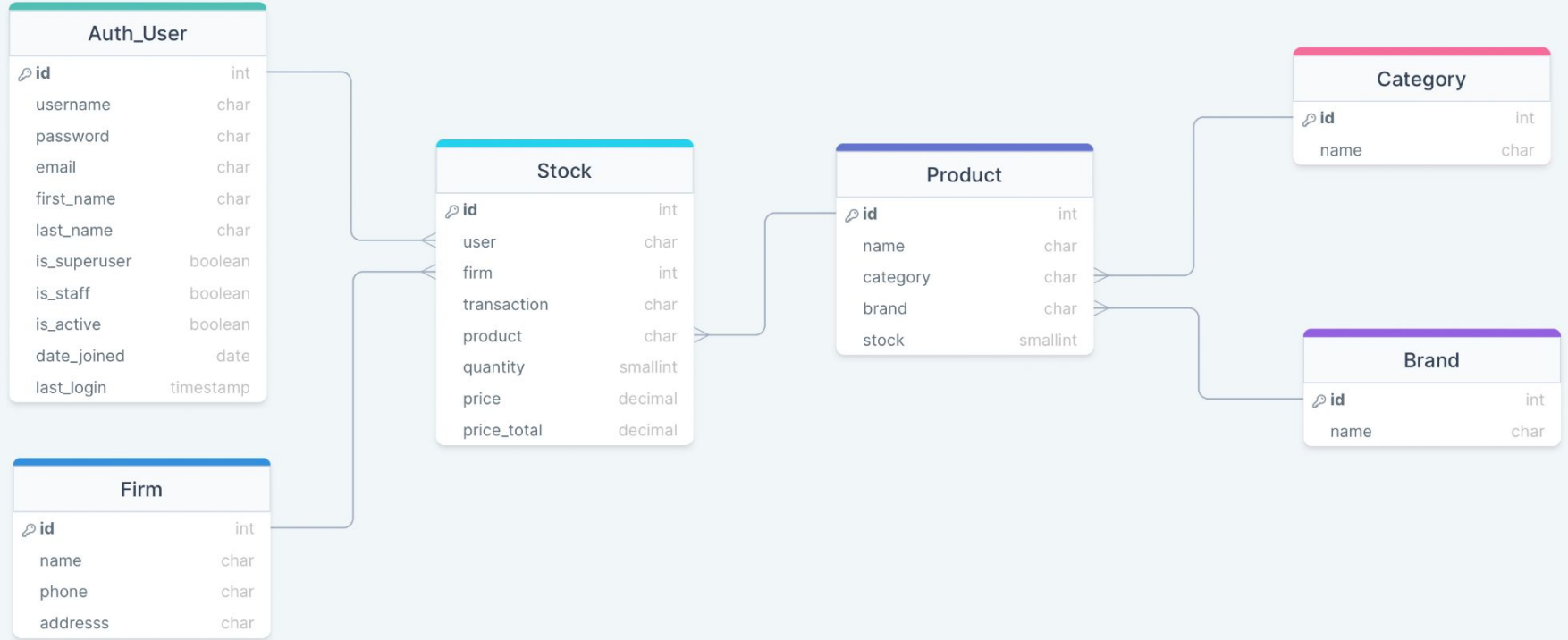
DEPLOY



TESTING



ERD



User Roles

- **Manager :**
 - Authorized all CRUD operations in Stock App
- **Product_Manager :**
 - Authorized all CRUD operations in Category, Brand, Firm, Product tables
- **Finance :**
 - Authorized all CRUD operations in Stock table and read only other tables
- **Read_Only :**
 - Authorized only read operations in all tables

Information

- Transaction field, which in Stock table, determines the type of stock object. This type of transaction should be “IN” or “OUT”
- If the transaction is “IN” you have to re-calculate new stock of product object
- If the transaction is “OUT” you have to check stock of product in Product table if there is enough stock. In the case of does not enough stock in product you have to make error handling

Information

- **Price_total** field , which in **Stock** table, is **read_only** field and you have to calculate this value with **quantity** and **price** fields.
- If you make **GET** request to a category with name query like below, you have to return that category with it's products info

Request:

<https://my-cw-stockapp-01.herokuapp.com/stock/category/?name=electronics>)

Response:

```
{  
  "name": "electronics",  
  "products": [... ]  
}
```

- You have to add filter and search features to all views



Try it out

- You can examine endpoints from a working project on heroku
- There are simple data in that project so you can make requests
- You should use user Tokens for making appropriate requests according to user roles
- Tokens are below of the info slides in LMS
- The login/logout features in the project are turned off so that the tokens do not change.
- There is also swagger endpoint in that project for your examine

[Project Link](#) —————→ [Stock App](#)



LMS Submit Link

Due Date \Rightarrow Friday

THANKS!
Any questions?

