

**Author:**

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About : I have completed my Diploma in Data science and at present pursuing Diploma in Programming.

**Description of the Project:**

In this project we were asked to create a mock grocery store app for users for purchasing products.

**Technologies used:** Flask for Api, Vue JS for UI, Bootstrap, Redis for caching, Redis and Celery for batch jobs, SQLite for Database

**DB schema:**

<p><b>1) <u>User:</u></b> user_id= Integer, primary_key name= String username= String, unique email= String, unique password=String, unique is_active=Boolean fs_uniquifier=String,unique address=String last_login= String</p> <p><b>2) <u>Role:</u></b> role_id= Integer, primary_key name=String, Unique</p> <p><b>3) <u>user role:</u></b> id= Integer, primary_key ur_user_id= Integer foreign_key(User.user_id==user_id) ur_role_id= Integer, foreign_key(Role.role_id==role_id)</p> <p><b>4) <u>Order:</u></b> order_id= Integer, primary_key o_user_id= Integer,ForeignKey("user.user_id") name= String quantity=Integer price= Integer total=Integer order_time= String</p>	<p><b>5) <u>Category:</u></b> category_id= Integer, primary_key name= String, unique creator_id=Integer, ForeignKey (user.user_id) is_approved= Boolean ed_approved=Boolean del_approved=Boolean</p> <p><b>6) <u>Product:</u></b> product_id= Integer, primary_key name= String, manufacture_date=String expiry_date= String rate = Integer unit= String quantity=Integer units_sold=Integer image= String is_approved=Boolean category_id=Integer,ForeignKey("category.category_id")</p> <p><b>7) <u>Cart:</u></b> cart_id= Integer, primary_key name= String c_user_id= Integer,ForeignKey("user.user_id") c_product_id=Integer,ForeignKey("product.product_id") c_category_id=Integer, ForeignKey("category.category_id") quantity= Integer total= Integer price=Integer</p>
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	<b>8) <u>List:</u></b> list_id= Integer,primary_key l_user_id= Integer,ForeignKey("user.user_id") name= String quantity=Integer price=Integer total=Integer order_date=String order_time=String
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### **API design:**

-Flask has been used for Api

### **Architecture and Features:**

#### **Architecture:**

- The project is in the project folder with the main.py and other .py files.
- The JS files are in static as well as components folder. Static folder also has images used in the app
- The template folder has the index.html file

#### **Features:**

-The app has login feature common for user, admin and store manager(role and token based authorisation)

User:

- The user can buy product from multiple categories and edit and delete products in cart
- The user can also edit his profile.
- On purchase the user can view the ordered products and total amount to be paid
- The user receives report in the email from the app about the products purchased and total expenditure. User also receives reminder to visit the website if not logged in for some duration.

Admin:

-The admin can add , edit and delete, category. Admin has to approve the store manager registration and approve the categories edited ,deleted or added by the store manager .

Store Manager:

-The store manager can add , edit and delete, products. Store Manager can login to account after admin approval and can suggest addition ,edit, delete of category to the admin. Store manager can download csv file containing product details.

### **Video**

[https://drive.google.com/file/d/1Z5NjHy1IKXxGiSAijMI0QOb92xLNzeEa/view?usp=drive\\_link](https://drive.google.com/file/d/1Z5NjHy1IKXxGiSAijMI0QOb92xLNzeEa/view?usp=drive_link)