

Name: Arpit Modi

Roll No:- 21f1002633

Email:- 21f1002633@ds.study.iitm.ac.in

Grocery Store Version 2

Introduction:

This is a grocery store website where there are different functionalities based on roles. In this we have 3 types of users one is admin, store manager and the last customer. They can do different things based on their role. Mainly customer can purchase products, managers can add or delete products or category and admin can approve managers and create and remove categories.

Frameworks Used:

Vue CLI, Flask, Bootstrap, Jwt Authentication, Flask_restful for Api, Redis, Celery,

Data Models: I have 6 tables.

1. Category: Consists of category name, id etc.
2. Products: Consists of all the details of products like stock, category_id, date, price, discount etc.
3. User: Consists of all the details of user like username email, password and fs_uniquifier.
4. Role: Consists of 3 columns id, name, description only have 3 entries.
5. Roles_user: Tell the relationship b/w role and user have 3 cols id, user_id and role_id
6. Order: Consists of 4 columns id, user_id, date and amount.

System Architecture:

The system follows a client-server architecture. The client-side is built using Vue js providing an interactive user interface for admin and users. On the server-side, Flask is used to handle API requests and interactions with the database.

Functionality:

Admin: - Admin Can create new category, remove category and edit existing categories. Admin approve new managers and also approve category created by managers

Store Manager: Store Managers can create, edit, and remove products. They can add new categories, but the categories should be approved by the admin. They can also download all the products present in database in a csv format.

User: - The user can sign up themselves, they can purchase multiple products from different categories.

Search: The store managers and user can search based on category id, name ,price, manufacturing date of products

Caching is also used.

Daily Reminder Jobs: Other key features of the app is the implementation of daily reminder jobs. Each evening, a scheduled job is executed by the system to initiate the daily reminder process. This job is to re-engage users who have not purchased anything today.

Monthly Activity report: At the start of every month a last month activity report is sent to each user.

It includes the total amount of purchases made by a user in the last month.

Video Link:

<https://drive.google.com/file/d/1tGe5eupb0MF7TVgwIODt6W-SqLnCyEFi/view?usp=sharing>