

Name- Pragya Singh

Roll-21f3001204

Email-21f3001204@ds.study.iitm.ac.in

I am currently a diploma level student of BS degree. I have completed my diploma in data science and have a lot of interest in AI and ML.

Description

This project involves creating a web application for a grocery store with three types of roles: admin, manager, and customer. There is one admin, multiple managers, and several customers. Managers can only function after the approval of the admin. The admin has the authority to add, update, and delete categories and products, while managers can request the addition, updating, and deletion of a category. Managers also have the ability to add, update, and delete products. Customers can view various products in different categories, search for them, add them to the cart, and make purchases. After shopping, users can view their order history.

RBAC login is implemented using Flask-Security-Too. The technology stack includes Flask for the server, Vue CDN for the frontend, HTML, CSS, Bootstrap, and SQLite for the database. Redis, Celery, and Mailhog are used for webhook messages, email reminders, and caching. Managers can export CSV files for product details. Additionally, daily reminders are sent using webhooks, and monthly reminders are sent using Mailhog.

The 'application' folder contains all the Python files, such as 'resources.py' for APIs, 'views.py' for additional endpoints, 'models.py' for the model, and 'tasks.py' for Celery workers. For the view part, there is a 'static' folder containing all the .js files. Other files include 'config.py' for configuration, 'upload_initial_data.py' for adding the admin during database initiation, and 'main.py' which is the main file to run the application.

Video Link

https://drive.google.com/file/d/1A_Q6WX5G4xX5ENVOnMgpymy2tKeoYwkK/view?usp=sharing