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I am Arpit Modi. I am from Alwar(raj). Currently I am pursuing BS in Data Science and Application from IIT Madras and currently I am in diploma level, and I have completed my graduation in BSc math's hons from Delhi university in 2022.

## **Description**

I have made a Grocery store web app in this app there is one manager/admin who can add a new category, delete category, update category similarly add a new product, delete product, update product and there are multiple users where the user can register , login ,logout and can purchase many products from different categories/sections

## **Technologies Used**

I have used a Flask framework for making this project and I also used flask extension like flask login for user authentication and flask form.

Flask SQL Alchemy is used to interact with database.

WTForms:- Used for rendering fields, validation of data provided by user, and a form class.

Email Validators: - Check if the input provided by user in email fields is of type email.

## **DB Schema:**

I have used sqlite database to store the data. The name of my database is grocerystore I have 3 tables in my database and the structure of database is as: -

1 addproduct table: -

id (primary key), name, price, unit, manufacturing, discount, stock, desc (description), category\_id (foreign key)

2. category table:

id (primary key), name

3. user table: -

id (primary key), name, username, email, password

### **Architecture and features**

The structure of project folder is I have one root folder called Grocery store inside this folder I have one python file (main.py), pdf file, readme file, requirements.txt file, instance folder inside instance folder I have database file and then grocery store folder and inside this folder I have multiple folder like templates folder where all the html files are stored and many folder for user, admin etc. The structure is as follows -

Admin folder: - forms.py and routes.py

forms.py file has a class called Login form and routes.py having some functions for admin login, logout and go to category.

Carts folder: - carts.py

Inside this folder I have one carts.py file for adding a product in carts by user, delete carts items and some more functions defined in this python file.

Customer folder: - forms.py, models.py and routes.py

Here I have a class for customer registration and form for customer login and some functions like login and logout.

Products folder: - forms.py, models.py and routes.py

Two classes are defined in this folder Addproduct and Category and forms for adding a product and updating a product are also defined and there are lot of functions defined like home page, products management, category management adding new product, categories, search function are also there.

### **Video Link:**

[https://drive.google.com/file/d/1RKsl6fRN8WCfmgA94ypVYiqBfLYRVYB/view?usp=drive\\_link](https://drive.google.com/file/d/1RKsl6fRN8WCfmgA94ypVYiqBfLYRVYB/view?usp=drive_link)

