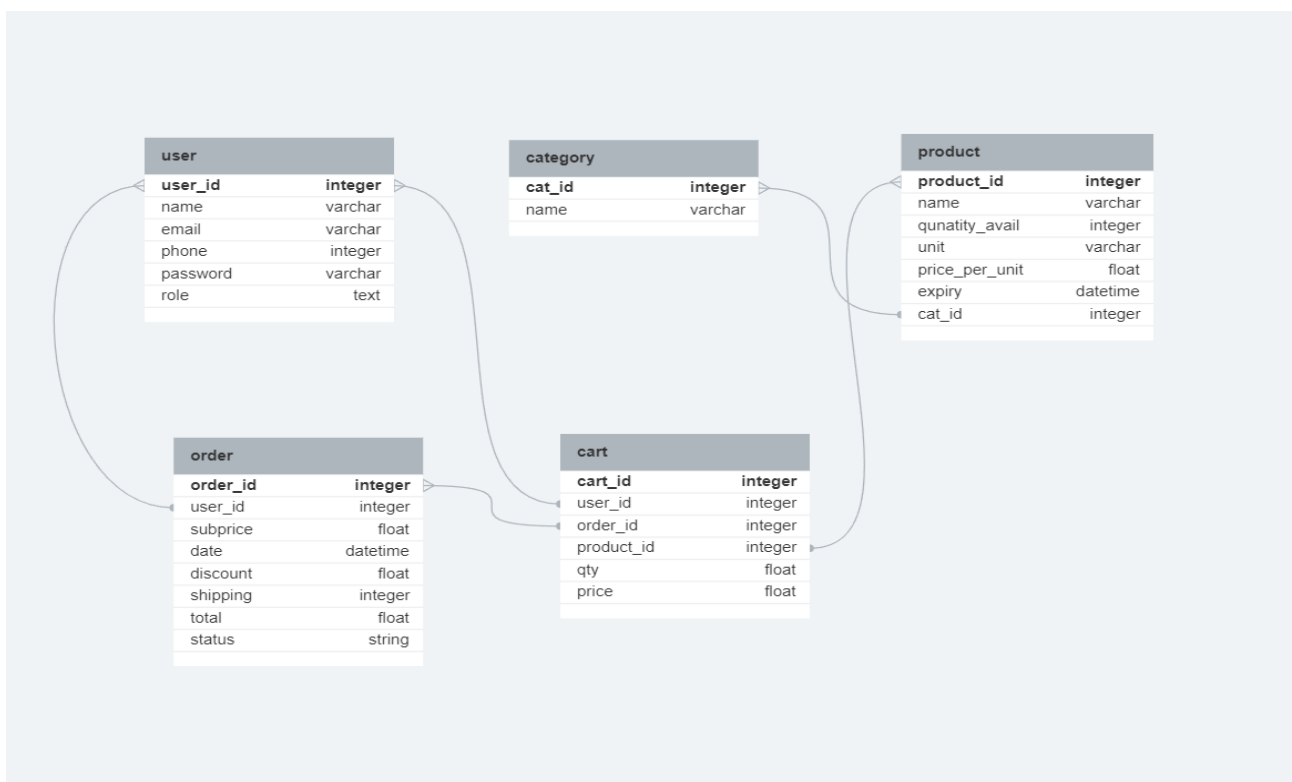# Grocery store

I am **Kaviraj K(22dp3000021)** direct diploma in programming student. For my MAD-1 project I am developing a web-based grocery store application which will be used for buying grocery where admin can do inventory operations and users can buy multiple products and do multiple purchase.

Technologies used:

- **Flask -** microframework used to build the application using python
- **Sqlalchemy -** ORM to execute sql queries using python
- **Flask-login -** For authentication and authorization of the application
- **Sqlite3 -** Database
- **Bootstrap -** For styling and designing
- **Flask-WTF -** For designing forms and form validation of the application
- **Jinja2 -** For HTML template

Database:

API:

REST-based API that performs GET, POST, DELETE and PATCH operations in category and product table like viewing, adding, deleting, updating products/categories.

Features:

- Admin and users can register from the registration form given and can login with their credentials <u>using a separate login page</u>. User cannot login through admin page and vice versa
- Admin can add/remove a category. While removing the category all the products associated with it will be removed from the inventory
- Admin can add/remove/update a product and also can view all the products available in the store.
- All admin operations are handled by API.
- Users can view all the products based on categories.(All the available products of each category will be displayed seperately.)
- Users can add any product to cart by using *addtocart* button near every product.
- Users also have a functionality of <u>searching any product</u> based on their name also can add product to cart from search result also.
- Users can add multiple products to the cart from multiple categories.
- Users cannot add a product beyond the quantity available and also not less than 1.
- Users can even <u>edit</u> or <u>remove</u> products in the cart also.
- If the stock is not available it will show <u>Out of stock</u> instead of addtocart.
- If the user is a new user or buying product for first time user will get 25% discount on their first order.
- If a user done successful order the quantities of the ordered products will dynamically reduced in the database and that will be updated dynamically in user view also.
- User can view their past orders.
- User will get the final Total amount along with the delivery charges and discount(if applicable) included.

Project demo:

- Video link :
  https://drive.google.com/file/d/1Fv-267bQwHv3WFT6uX75bt_j7PqV9JbC/view?usp=sharing