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Description:

The Grocerify online store provides a diverse selection of products available for purchase. The administrator is responsible for establishing and overseeing product categories and individual items. Customers have the convenience of browsing and buying products, conducting searches, and effortlessly adding chosen items to their virtual shopping carts. Additionally, customers retain the flexibility to modify the contents of their carts whenever needed.

Database Schema Design:

Name	Type	Schema
CustomerUser		CREATE TABLE CustomerUser (user_id INTEGER PRIMARY KEY AUTOINCREMENT, user_name VARCHAR(1000), user_handle VARCHAR(100)
user_id	INTEGER	"user_id" INTEGER
user_name	VARCHAR(1000)	"user_name" VARCHAR(1000)
user_handle	VARCHAR(100)	"user_handle" VARCHAR(100) UNIQUE
user_password	VARCHAR(100)	"user_password" VARCHAR(100)
user_role	NUMERIC	"user_role" NUMERIC
OrderData		CREATE TABLE OrderData (order_id INTEGER PRIMARY KEY AUTOINCREMENT, customer_id INTEGER, item_id INTEGER, ordered_quantity F
order_id	INTEGER	"order_id" INTEGER
customer_id	INTEGER	"customer_id" INTEGER
item_id	INTEGER	"item_id" INTEGER
ordered_quantity	FLOAT	"ordered_quantity" FLOAT
order_total	FLOAT	"order_total" FLOAT
order_status	VARCHAR	"order_status" VARCHAR
item_title	VARCHAR(100)	"item_title" VARCHAR(100)
item_cost	FLOAT	"item_cost" FLOAT
ProductCategories		CREATE TABLE ProductCategories (category_id INTEGER PRIMARY KEY AUTOINCREMENT, category_title VARCHAR)
category_id	INTEGER	"category_id" INTEGER
category_title	VARCHAR	"category_title" VARCHAR
ProductItem		CREATE TABLE ProductItem (product_id INTEGER PRIMARY KEY AUTOINCREMENT, product_category_id INTEGER, expiration_date DATE, m
product_id	INTEGER	"product_id" INTEGER
product_category_id	INTEGER	"product_category_id" INTEGER
expiration_date	DATE	"expiration_date" DATE
manufacturing_date	DATE	"manufacturing_date" DATE
product_price	FLOAT	"product_price" FLOAT
product_unit	VARCHAR	"product_unit" VARCHAR
product_quantity	FLOAT	"product_quantity" FLOAT
image_url	VARCHAR	"image_url" VARCHAR
image_file	BLOB	"image_file" BLOB
creation_date	TIMESTAMP	"creation_date" TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP
product_name	VARCHAR(100)	"product_name" VARCHAR(100)
sales_tax		CREATE TABLE sales_tax(sales_tax_id INTEGER PRIMARY KEY AUTOINCREMENT, sales_tax_rate DECIMAL(5,2), sales_tax_name VARCHAR(100))

Architecture and Features:

Architecture:

The Python code for the project is organised into 4 files —

1. App.py - Contains the code for initiating the application.
2. Routes.py - Contains all functions related to user and admin tasks. It also authenticates the signup and login for admin as well as users.
3. Models.py - Tables are defined here for the Sqlite database.
4. Init.py - Contains the initialization code for the app.

Video Link:

<https://drive.google.com/drive/folders/1FMEeFVmWUPwKQcXKRXssBhb1Pv-AH5CT?usp=sharing>