

Author:

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About : I have completed my Diploma in Data science and at present pursuing Diploma in Programming.

Description of the Project:

In this project we were asked to create a mock grocery store app for users for purchasing products.

Technologies used: Python, Flask, flask_login, flask_sqlalchemy, flask_security, flask_cors, flask_restful, HTML , CSS ,SQLite

DB schema:

<p>1) <u>User:</u> user_id= Integer, primary_key name= String username= String, unique email= String, unique password=String, unique address=String</p> <p>2) <u>Role:</u> role_id= Integer, primary_key name=String, Unique</p> <p>3) <u>user_role:</u> id= Integer, primary_key ur_user_id= Integer foreign_key(User.user_id==user_id) ur_role_id= Integer, foreign_key(Role.role_id==role_id)</p> <p>4) <u>Order:</u> order_id= Integer, primary_key o_user_id= Integer,ForeignKey("user.user_id") name= String quantity=Integer price= Integer total=Integer order_time= String</p>	<p>5) <u>Category:</u> category_id= Integer, primary_key name= String, unique</p> <p>6) <u>Product:</u> product_id= Integer, primary_key name= String, manufacture_date=String expiry_date= String rate = Integer unit= String quantity=Integer category_id=Integer,ForeignKey("category.category_id")</p> <p>7) <u>Cart:</u> cart_id= Integer, primary_key c_user_id= Integer,ForeignKey("user.user_id") c_product_id=Integer,ForeignKey("product.product_id") c_category_id=Integer, ForeignKey("category.category_id") quantity= Integer total= Integer price=Integer</p> <p>8) <u>List:</u> list_id= Integer,primary_key l_user_id= Integer,ForeignKey("user.user_id") name= String quantity=Integer price=Integer total=Integer order_date=String order_time=String</p>
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API design(using swagger editor open api):

- CRUD for category
- CRUD for products
- Api for displaying product details category wise
- Api for displaying the category details.

Architecture and Features:

Architecture:

- The project is in the project folder with the main.py file.
- The html files are in template folder and CSS in static folder inside the project folder.
- The readme file for the app.
- The yaml file for API inside the project folder.
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Features:

- The app has login feature separate for user and admin

User:

- The user can buy product from multiple categories and edit and delete products in cart
- The user can also edit his profile.
- On purchase the user can view the ordered products and total amount to be paid
- The user can view the previous orders based on date of order

Admin:

- The admin can add , edit and delete, category and products.

Video

https://drive.google.com/file/d/10N8HEsC84hE07BQ9oOJyljULwpYeXcaG/view?usp=drive_link