### **Author**

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**About Me**: I am passionate about programming. Though I was sick for the past 2 weeks, I managed to write the code without any help because of my passion towards coding.

### **Description**

1. A Grocery Store Web Application has to be developed with two different roles – Inventory Manager Role and User Role.
2. The Inventory Manager should be able to add new categories, new products, edit categories and products.
3. The User should be able to Register, Login and add products to a shopping cart. No payment gateway integration is required.

### **Technologies used.**

**Flask** – For UI and Backend,

**SQLite3** – for DBMS,

**Jinja2** – Dynamic Front-end rendering

### **DB Schema Design**

A diagram of a product

Description automatically generated

The main reason behind the above DB Schema is to make the application scalable.

### **API Design**

I have created multiple apis for each of the following page in the given application. Please check the yaml file for more information.

### **Architecture and Features**

The project is organized in the following way:

1. The main application (app.py) and database are placed on the top folder.
2. The templates are placed in templates folder.
3. The controller resides in the main application which would redirect based on various conditions.
4. The database related files are also present in the top folder.
5. The database initialization is present in the database.py file.
6. Schema.sql – creates the necessary tables and database.py initialises the DB.

### Video

<<Link to your online video of not more than 3 minutes length>>