

Author

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I'm a Computer Enthusiast who loves to play with Data, and a passionate programmer.

Besides this degree, I'm doing my Bachelors in Computer Science and Eng.

My favourite things to do are binge watching movies and series, explore around and do fun activities.

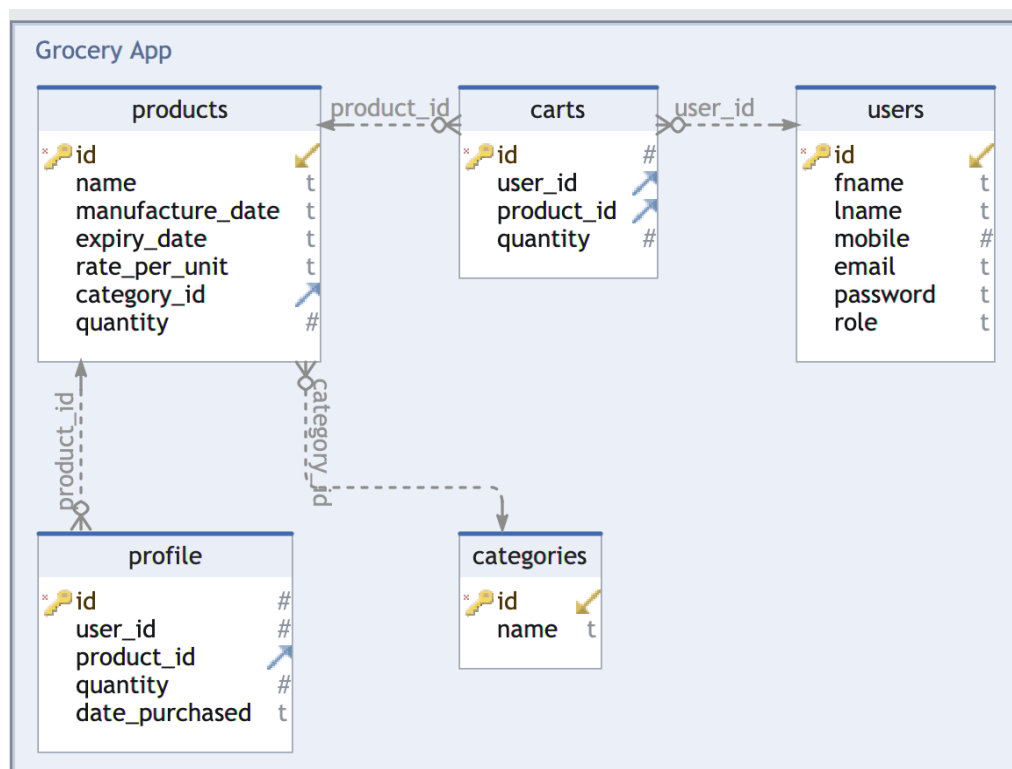
Description

It is a grocery app built using Flask where the users can buy products across various categories. The administrators should be able to manage the categories and products and keep track of the summary of products being purchased by users.

Technologies used

- Pycharm: As an IDE for coding
- Flask and SQL Alchemy: Handling program data and models
- Flask forms and Jinja Templates: For easier access to form building and data access.
- HTML and Bootstrap: For handling the design of the frontend
- SQLITE and SQLitestudio: For database backend

DB Schema Design



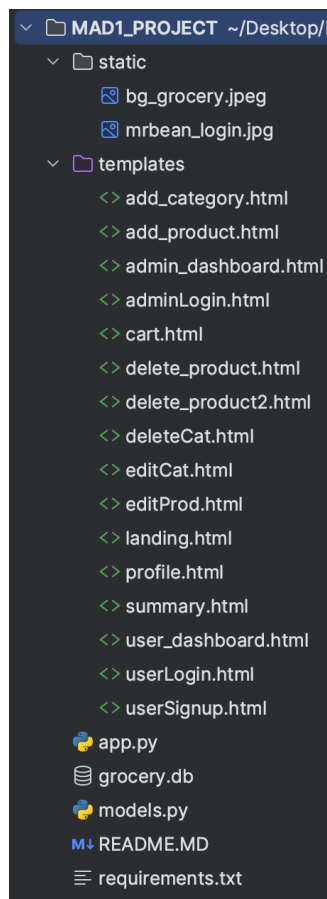
I have split the databases into these tables for ease of access and manipulation of the data. I carefully designed the entire schema with the respective primary and foreign keys to be able to link everything properly.

Architecture and Features

The flask app and the Controllers are integrated into a single file called app.py. I made use of the templates folder to store my templates such as HTML files. I've included the Database of the grocery app as grocery.db. The static folder is used to store the images which are used to render in the HTML pages. The models have the DB schema defined and the models for the application.

It has a proper application folder, the general static and templates and then an app.py file to run which also includes the controllers. Static folder contains all the images. The DB file has the SQLite database. Models, controllers, and forms have their own py files

Here is an outline of the project:



Video

<https://drive.google.com/file/d/1d06bozgYDW23u12nfHwQlb7eTH9k3uCj/view?usp=sharing>