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This is Shakti soni , I am a diploma student . also a 3rd year btech student ,and this is my first ever web dev project.

Description :-

This project is “Grocery store app” ,in which user can buy item from different categories . In this project following pages are included landing page , user login, new user registration ,admin login ,admin dashboard ,edit products ,users profile page and my cart page .it allows user to add delete edit products and their other details.

Technologies used:-

For front end made with jinja 2, and backend prepared by flask and sqlalchemy. Entire coding happens on Vs codes.

DB DESIGN :

It consist mainly 2 tables :-

Products :-

Id (primary key),name, description , price , category ,quantity.

User :-

Id (pk), username, password

API design :-

The app follows Model -View – control (MVI) architecture pattern ,with model defined by sql alchemy and stored in app.py controllers , responsible for handling business logics . are also used in app.py file using flask framework. Acting as a mediator between the user and models, the controllers receive and process user input, retrieve data from models and render templates located in the templates folder. These templates define the user interface and are created using the Jinja2 template engine.

The project has been meticulously crafted to deliver an uninterrupted user experience, incorporating an array of meticulously developed features. For user authentication and authorization, the project integrates Flask Login, a widely acclaimed Python library renowned for streamlining the process of implementing user authentication in Flask-based web

applications. Through the utilization of Flask Login, individuals can seamlessly and securely log into and out of the system. Moreover, administrators possess the capability to control access to specific pages or functionalities, enhancing the project's security infrastructure. This intricate integration guarantees that only authorized users possess the privilege to access and interact with sensitive information.