IIT MADRAS

BS Degree

App Dev II Project

Grocery Store application Report

Author:

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- **About me :** I am a diploma level student in IIT Madras BS in Data Science and application degree and Final Year student of Engineering in Pune University.

Description:

It is multi user Grocery web application. This application is made for both Admin,Store manager and User, User can buy products and Search for products. Admin can add, Update, Delete the category and give permission to store managers to access.Store manager can add, Update, Delete the Products. All the Products and Category added or updated will reflect automatically on the user page.

Technologies Used:

- **HTML**
- **CSS**
- **Redis**
- **SQLite**
- **Flask**
- **Vuejs**
- **Celery**

Database Schema:

Userlogin :.

Name(String): Not Null , **Email**(String): Primary key**, Password**(String):Not null, **Place**(String):Not null, **Age**(Integer):Not null Admin:

Email(String): Primary key, **Password**(String):Not null

Cart:

Id(Integer):Primary key, **Quantity**(Integer):Not null

Rate(Integer):Not null Category:

Customer_Id(Integer): ForeignKey(User.id)

Name(String):Unique, Not null

Products:

Id(Integer): Auto increment, Primary Key

Name(String):Unique, Not null

Rate(Integer):Not null

Quantity(Integer):Not null

Unit(String):Not null

Category_id(Integer):ForeignKey(Category.id)

Category:

Id(Integer): Auto increment, Primary Key

Name(String):Unique, Not null

Approved(Boolean):Not null

Architecture and Features:

In this application I have used Vuejs,HTML,CSS for frontend.SQlite is used for database. Flask is used as backend of application which send and receives the data using API. Flask is used connect with database(SQLite)

The feature which are there in the application are as follows:-

- Login page for both User, Managers and Admin.

- Admin can approve multiple categories and in the application.

- Admin can do CRUD operation on Category.

- Users can buy many products from multiple sections.

- Every category can have multiple products.

- Managers can do CRUD operation on Products and can also add category with the permission of Admin.

- In Cart user can see Total amount of Product which he/she going to buy and user and also delete items from cart.

Video link :

[click_to_view_Video](https://drive.google.com/file/d/1bEfqWDevM_1-RvWRfdUIzfKkjboXyvhR/view?usp=sharing)

https://drive.google.com/file/d/1bEfqWDevM_1-RvWRfdUIzfKkjboXyvhR/view?usp=sharing