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## MAD2- Project



# IIT MADRAS

Indian Institute of Technology Madras

## **Introduction:**

As a flask MAD-2 project I have made an application which offers multi-role accessing known as “Grocerez”.

The frontend is made with Vue Framework setup by Vue-CLI and backend by Flask. This is the project made for Sep-2023-MAD.

## **The following Packages are used:**

### **For frontend VueJs:**

- Axios : To send Async calls to the API in the backend
- Bootstrap : For making colorful and stylish components
- Routes : To route to different Pages

### **For backend Flask:**

- Flask-jwt-extended: For RABC functionality and authentication with JWT
- Flask-Excel : To convert data to CSV to make it Downloadable
- Celery[redis] and redis: To facilitate synchronous jobs like daily reminder and monthly reports.
- flask-cors: To accept cross-origin requests from frontend fetch requests. By default not accepted.
- flask\_weasyprint: to create pdf report from html to send email to user

## **Models Used:**

**User :** All the users of the application including the user, admin and the manager

**Category:** All the categories of products.

**Product :** information about the product

**Cart:** User and Manager can add product to their cart in their accounts.

**OrderItem:** All Items that are ordered in an order.

**Order:** All the orders of users and managers.

**BlacklistedToken :** Once Logged Out, the token will be blacklisted so cannot login with that token.

Presentation Link:

[https://drive.google.com/file/d/1bLHBBRqbCxuzp3hlpFwrNQDJY93-IL1o/view?usp=drive\\_link](https://drive.google.com/file/d/1bLHBBRqbCxuzp3hlpFwrNQDJY93-IL1o/view?usp=drive_link)

