Grocery-Store APP DEV-II

The grocery store is an web application designed using flask at the backend for the API building and Vue.js as the frontend

The application contains total of three different types of users

1. Admin : The admin is sort of the superuser of the application which can do the following.
    a. Admin can Approve different managers to add, update, delete products or create sections in the application.
    b. Admin can create new sections in the database.
    c. Admin can update the sections in the database where the admin can change its name or description
    d. Admin can approve sections created by the managers so that products can be added to these sections
    e. There can be only one admin in the database
2. Managers: The manager can do the following things in the Grocery Store application
    a. It can create new products to a specific sections in the database
    b. A Manager can update the product's name, description or the section to which it belongs to
    c. The manager can set the quantity and amount of the product.
    d. The manager can also create sections which are to be approved by the admin to reflect in the database.
    e. The admin can also download a CSV file which shows all the products which are present in the database.
    f. There can be more than one managers for the grocery store application
3. Users: The user can do the following
    a. It can see all the products listed in the database by the managers.
    b. A user can buy different categories of products and in different amounts to help get what the user wants and can then checkout

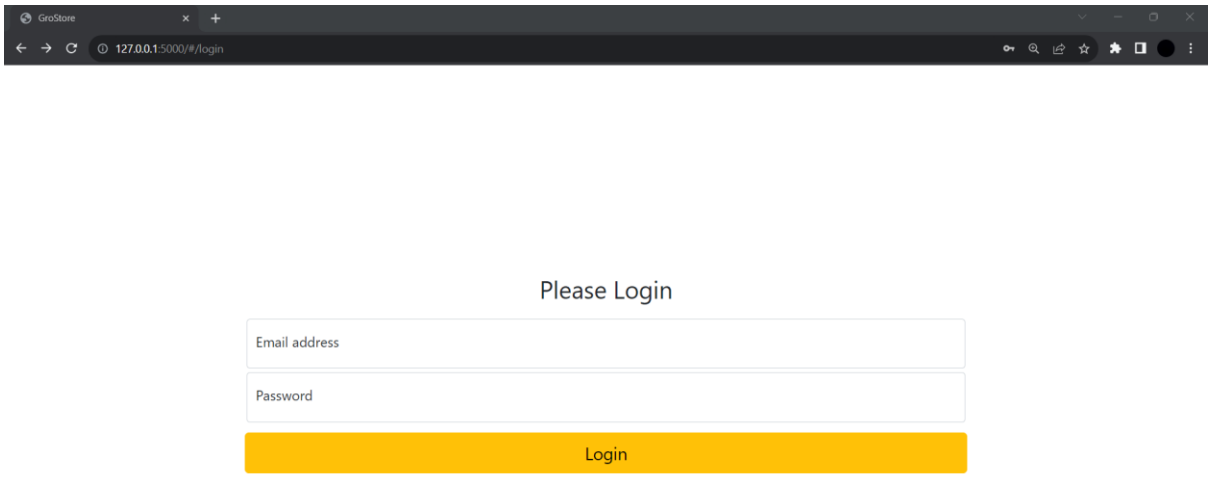
The application focuses on the CRUD operations with flask_sqlalchemy and token based authentication and authorization different users.

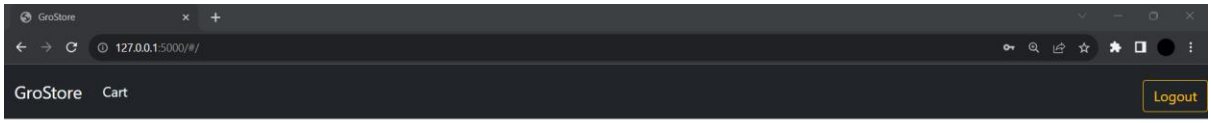
In the backend we have used the following modules

1. Flask: For API building and creating the overall backend
2. Flask_sqlalchemy: For creating database models in SQLite
3. Flask_security: For token based authentication and authorization.
4. Werkzeug: For generation of hashed passwords and comparing them to the users input
5. Flask_restful: For creating RESTful API in the backend
6. Redis: For caching and backend jobs
7. Celery: For asynchronous tasks
8. Flask_excel: For generation of excel sheets from the database

For the frontend we have used the following :

1. Vue.js : For creation of single page applications
2. Vue Router: For routing and navigation throughout the web app
3. Bootstrap : For overall looks and styling of the web app.





Cabbage

Freshly grown cabbages from the farmer's field to your basket

Vegetables and more

$ 3.00

Add to Cart

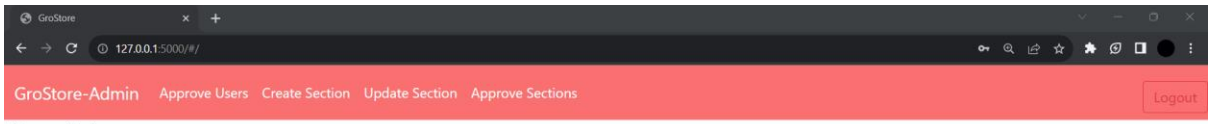
Lettuce

Fresh iceberg lettuce for you

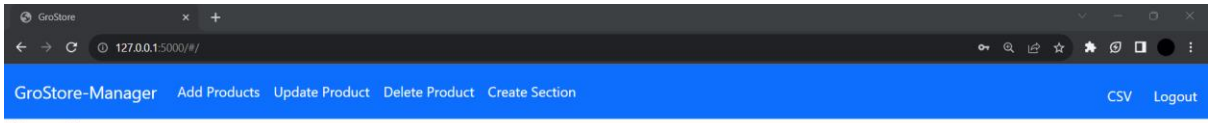
Vegetables and more

$ 4.00

Add to Cart



Welcome Admin



Welcome Manager