Grocery Store

This is multiuser web app.

User Functionality:

- User can buy multiple products from multiple categories available in the current stock.
- User can add multiple products to the cart to buy later.
- User has the functionality to search products by name (will match from starting case insensitive)
- And Filter Products by Category, Price, and manufacturing date.
- User Can Buy products or remove them from the Cart Page.

Admin Functionality:

- Admin can add new Product but first, its Category should exist.
- Admin can add a new Category.
- Admin can edit product details.
- Admin can delete product and Category.
- Deleting a Category will lead to deleting all products belonging to that category.

Other functionality:

Analytic Page (Charts)

- Total Monthly Sales
- Category-wise sales proportion
- Each product sales by category.
- Over Time Total Sales Daily Basis.

Other Info:

- When Stock is zero Product will show Out of stock.
- If the User is not logged In, he/she needs to log in first to access any page.
- User and Admin can log out.

Working:

Database

- User Store the information about the signed-in users.
- Cart stores the information about the cart added for each users.
- Sold_Product stored the info about the sold products for analysis part.

Stack Used

- Programming language: Python
- Database: Sqlite3
- Backend : Flask
- Libraries : Numpy and Pandas