

FLASK-MAD1 Project

Grocery app

Name = Aniket Agrawal

Roll = 21f1000715

Email = 21f1000715@ds.study.iitm.ac.in

Description

Grocery App Store is an Online store where Customers/Users can go and buy groceries online. Shops can register here to sell online to the Users.

Technologies used

Flask, python , html5, css , bootstrap , sqlite

DB Schema Design

DB Schema contains 5 classes with attributes:

- Users -> id, username, password
- Admin -> id, username, password
- Product -> id, description, name, stock, section_id, price
- Section -> id, description, name, products
- Purchase -> id, product, customer, count, date_added

Architecture and Features

Register-

- Using username, password
- Stored in database
- The password are encrypted using bcrypt.generate_password_hash

Login-

- The grocery app has login system using username and password

Home-

- Navbar has links to adminlogin, register, userlogin, viewcart, logout
- viewcart, logout , purchase history link are shown on logging in

- product can be added to cart after logging in as add to cart button gets displayed only after logging in.
- admin(user-role-admin) is directed to dashboard after logging on admin login

Search-

- user can search product they want to purchase

Cart-

- user can see what product they have added to buy (only after logging in)
- there is remove option available to remove the product
- checkout option is available to process and complete the purchase.

Purchase history api-

- It shows the purchase history of the current user in Json format.

Admin dashboard-

- admin can see all product and their stocks, prices, description belonging to their respective sections.
- Admin can add new section and edit or delete existing section.
- Admin can add new product and edit or delete existing product.

Summary-

- It has navbar that contains nav links to Home and Logout.
- The page shows product name, total stock of product, total sales of respective product belonging to each section respectively.
- The page also shows the graph based on total sales of product respectively section-wise.

Video

- <https://drive.google.com/file/d/16VmKlj2A818KsmjaMMwSYl8czLhffC4o/view?usp=drivesdk>