Grocery Shop Management System

Group B

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***Project topic***: Grocery shop management

***Brief description of the project:***

The Grocery Shop Management System is a software application that enables grocery store owners to manage their inventory, sales, and customer records effectively. The system allows the store to keep track of all the items available in the store and their stock levels. It also helps to manage customer orders and sales transactions efficiently.

The project has 3 features.

1. Authentication :

Login, logout, customer’s profile, update etc

1. Product :

Keep tracks on products in the shop

1. Invoice / Bill:

Purchase process

***Operation and details of the features***

***1) Authentication:***

A login window would pop up for customers to login. The customer would fill the required information about their and login.

*Operations:*

* Create : the user can create their profile
* Read : Customer can fill in information about them
* Update : the user can update his profile.

***2)Product:***

This feature will keep tabs on the products of that shop. Products price, quantity, stock. And Update product details as per needs. Add new product when new product comes in or delete a product if no longer need . Update quantity. This feature is how the shop authorities manage their product.

*Operations*:

* Create/ add : Can add new product
* Read: Read products information
* Update : can update product's details. Like quantity, price.
* Delete: Can delete a product.
* Search : a product can be searched

***3) Order/ Invoice***

Customer can add a product to their cart. They can update the cart. Update the products quantity and then purchase. After a customer shops, an invoice will be generated with the purchase info. Stock/ inventory will be updated.

*Operations:*

Read: read from customer what they need in what quantity

* Update : customer can update their cart and after purchase stock list will be updated.
* Read: Customer can add product to their cart
* Delete: a customer can delete item from their cart
* Search : a product detail can be searched