**SUPERMARKET BILLING SYSTEM**

1.1 PROJECT PURPOSE:

This project is designed to assist supermarkets in calculating and displaying bills, as well as serving customers more quickly and efficiently. We have developed it using C++. It will also reduce the paperwork and reduce the time.

1.2 FUNCTIONALITIES OF THE SYSTEM:

These functionalities have been implemented in the program:

* + 1. MAIN MENU: Admin can login through login credentials and perform operations

Customer check product details and place order.

* + 1. ADMIN MENU: Admin can add new products, delete products, modify products.
    2. ADD A PRODUCT: Admin can add the product details like product name, product id, product discount, product price, product tax.
    3. DELETE A PRODUCT: Admin can delete the product details like product name, product id, product discount, product price, product tax.
    4. MODIFY A PRODUCT: Admin can modify a product name, product id, product price, tax, discounts.

1.2.6 SEARCH A PRODUCT: Admin can search a product name, product id, product price, tax, discounts.

* + 1. DISPLAY A PRODUCTS: Admin can view the product details.
    2. CUSTOMER MENU: Customer can check the product details and place order.

1.2.9 CUSTOMER CHECK PRODUCT DETAILS: Customer can see the product details like product name, product quantity, product id, product price, product .

* + 1. PLACE ORDER: Customer can place the order as per customer need.
    2. DATA VALIDATION: Data validation for product code, username and password.

1.3 OPERATING ENVIRONMENT

SOFTWARE REQUIREMENTS:

● Operating system: Linux

● Platform: Ubuntu/C++

**FLOW DIAGRAM:**

**Graphical user interface, application, Word

Description automatically generated**

1. START

This is the start block which indicates the start of the program.

1. ADMIN

Admin can login through login credentials and after successful login it display admin menu.

If the login credentials are wrong, then relogin.

1. ADD A PRODUCT: Admin can add the product details like product name, product id, product discount, product price, product tax.
2. DELETE A PRODUCT: Admin can delete the product details like product name, product id, product discount, product price, product tax.
3. MODIFY A PRODUCT: Admin can modify a product name, product id, product price, tax, discounts.
4. SEARCH A PRODUCT: Admin can search a product name, product id, product price, tax, discounts.
5. DISPLAY A PRODUCTS: Admin can view the product details.
6. CUSTOMER MENU: Customer can check the product details and place order.
7. CUSTOMER CHECK PRODUCT DETAILS: Customer can see the product details like product name, product quantity, product id, product price, product discount.
8. PLACE ORDER: Customer can place the order as per customer need.

**CONCLUSION**

Super Market Billing System has to do with making appropriate effort to stop the rising problem to all manual supermarket operation in order to enhance the operations of such supermarket. The “supermarket Billing system” process made computerized to reduce human efforts & to increase the efficiency. Our main aim of the project is to get the correct bills and maintains data of the supermarket.

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