Project Requirement and Specification

On

SUPERMARKET BILLING SYSTEM

(CSE IIIrd Semester Mini project)

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1.1 About Project

Supermarket is the place where customers come to purchase their daily using products and pay for that. So there is a need to calculate how many products are sold and to generate the bill for the customer

Supermarket billing system is based on the concept to generate the bill reports and to add items and update their details.

Two classes, class amount, and the class item can be found in this project in which class amount is inherited from the class item.

The key features of this project are:

Bill Report: It shows the bill report of all the items added in supermarket billing system.

Add, Remove or Edit items: With this feature, you can add, remove and modify item details. In, add items, you can add information or details.

Show item details: This feature allows users to see the items and the corresponding details given for the item while adding the item.

Work in the Supermarket will be done in the following way:

 The product will come in the store.

 Data entry operator will enter the information of the product in database.

 The Administrator will enter the taxes and commissions for each product.

 The customer will come and take the basket with him/her and choose the product and

took it to the counter.

 The bill calculating operator will check the products with the bar code detecting

machine then it will match with product-id then it will show its information and price

and the bill will be calculated and total payment will show.

 Customer will pay for the products.

1.2 Requirement of Project

1.2.1 Hardware Requirement:

* Processor : Intel Pentium or more
* Motherboard : Intel® Chipset Motherboard.
* Ram : 128 MB or more
* Cache : 512 KB
* Hard disk : 16 GB hard disk recommended
* Disk Drive : 1.44MB Floppy Disk Drive
* Monitor : 1024 x 720 Display

1.2.2 Software Requirement:

* Microsoft Visual Professional (2013)
* Microsoft Visual Studio (2008)
* Microsoft windows
* MS -Access

1.3 Modules of Project:

I. create\_product():

This function is to be used by the administrator to add new products to their list.

II. show\_product()

This function is used by the administrator to display the details of the all products.

III. retprice():

It returns the price of the product.

IV. retpno():

It returns the product number.

V. retname():

It returns the name of the product.

VI. retdis():

It returns the discount available on the product.

VII. fstream:

The object declared for this class is fp. It is the predefined class used for both File to Memory/Memory to file linking.

VIII. write\_product():

This function writes the information about the product in the file.

IX. display\_sp() :

This function displays some specific records based on the product number entered by the user.

X. modify\_product() :

This function modifies the product details by entering the product number.

XI. delete\_product():

This function deletes the product by entering the product number.

XII. menu():

This function is display the product number, its name and its price.

XIII. place\_order():

This function places order and generates bill for the products bought.

XIV. intro():

This function displays the project Name.

XV. admin\_menu():

This function displays a list of function to be operated by administrator to

modify/update products details. The function uses above user-defined functions.

XVI. main():

This is the main function which just the MAINMENU from where the control is

transferred to other functions.

ANY OTHER RELEVANT INFORMATION SUCH AS

(E-R DIAGRAM, DFD ETC)

1.4 ----------------------------E-R Diagram ------------------------------













# REFERENCE

1. GEEKS FOR GEEKS.
2. W3 SCHOOL.
3. Slide
4. STACK OVERFLOW.
5. BOOKS:

## ANSI C 2019 EDITION

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