

GROCERY STORE MANAGEMENT SYSTEM



L.J. Institute of Computer Application

Group No :
IET_3_8

Internal Guide:
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TABLE OF CONTENT

1. Introduction.....	2
1.1. Project Definition.....	2
1.2. Objective of the New System.....	2
1.3. Core Components.....	2
1.4. Assumptions and Constraints(if any).....	2
1.5. Advantage and Limitations of the Proposed System.....	2
2. Requirement Determination & Analysis.....	3
2.1. Requirement Determination.....	3
2.2. Targeted Users.....	3
3. System Design.....	4
3.1. Flow Diagram.....	4
4. Development.....	10
4.1. Coding Standards for c Language.....	10
4.2. Data Structure Concept used in Project.....	11
4.3. Screenshots.....	11
7. Proposed Enhancements.....	12
8. Conclusion.....	12

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INTRODUCTION

1. INTRODUCTION

Grocery store 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. In our project we have 2 users.

First one is administrator who will decide the prices of the products and can see the report of any product.

The second one is the Customers who can purchase the items. And view the bill.

Existing of system

A person entering the grocery store does not know where the items located in the Store for that purpose, we created a computerized system. what he wanted to purchase from the grocery store. She/he has to look for the particular item throughout the grocery store menu

The administrator has right to edit a bill or to delete a bill. As a buyer one can see the list of products in this store. After buying some products system can calculate total amount of bill. Buyers can see bill from view bill option in this application.

1.2 Objective of new System

Manage the details of Products.

Administrator are guaranteed the access. reduce manual work for managing the products, sales, inventory.it tracks all the details about the customer purchases.

1.3 Core Components

INVENTORY MODULE:-

This module is used in the present module user(admin) can keep track record of sales. At the end of the day we can view the most saleable item.

REPORTS MODULE:-

This module used to generate sales bill for every purchase made by the customer bill number which will be different for every customer. All the bills generated by this system are also update from files.

UTILITY MODULE:-

This module has been provided with option of exit (when the system not in use that will bring the grocery store billing system into by mode user has to log in again to gain access to the system.

1.4 Assumptions and Constraints

- The user knows English language.
- Pay the money by only cash.
- User must be having login id and password.
- User must be knowledge of computer

1.5 Advantages and Limitations of Proposed System

Advantages

- Grocery store has good turnover.
- Low cost of operation.
- Shopping is very easy and quick.
- Reduced processing cost.
- Faster response time.
- Reduction in use of paper.
- Reduction in man power.

Limitations

- There is lack of personal attention.
- It requires large and extensive premises.
- Grocery store and related information.
- Details of to sell.

- Customer details.

2

REQUIREMENT DETERMINATION & ANALYSIS

2.1 Requirement Determination

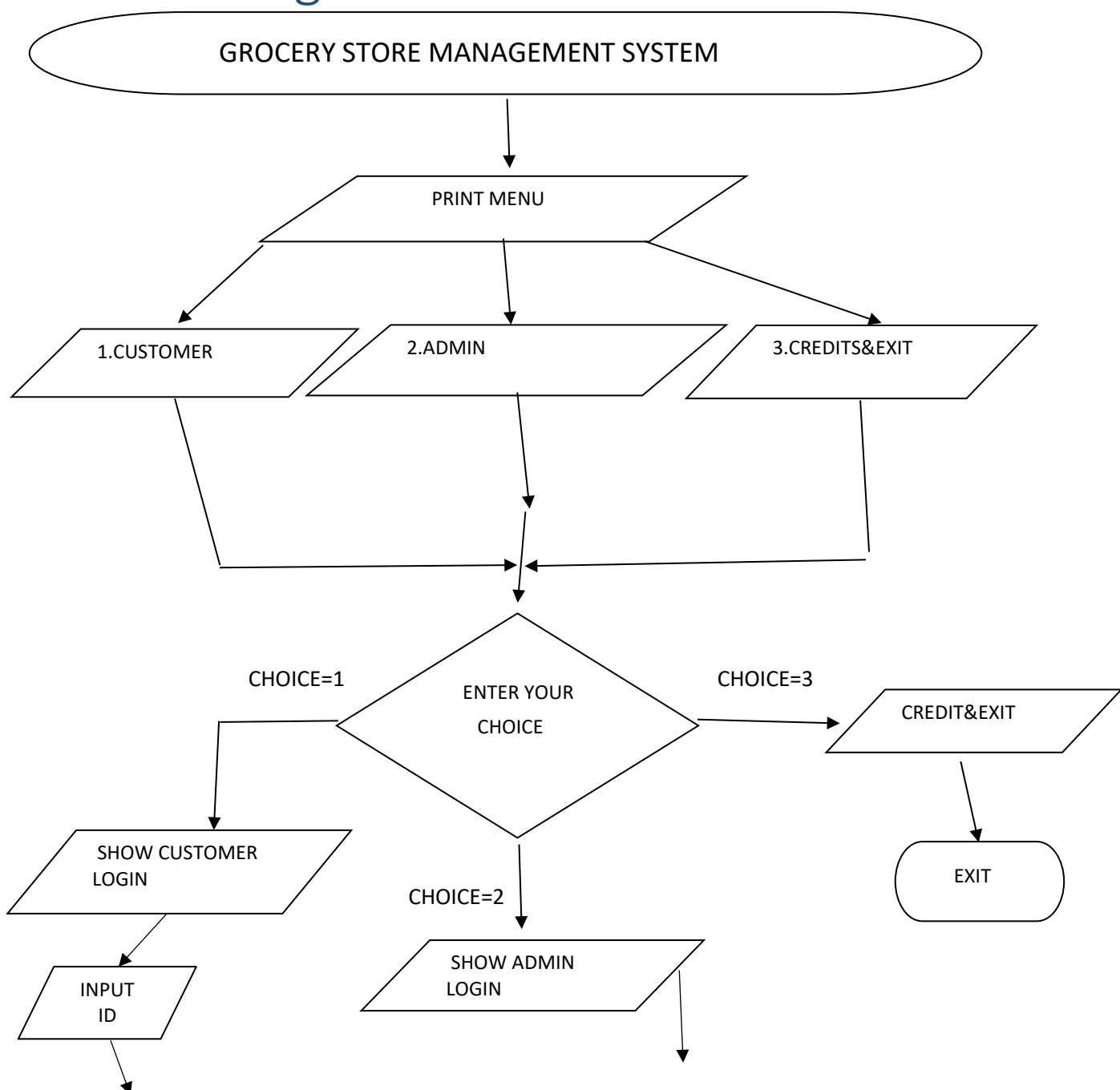
- Products quality.
- Products formulation.
- Processing method.
- Packaging.
- Transportation and storage conditions.
- Consumer handling.

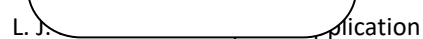
2.2 Targeted User

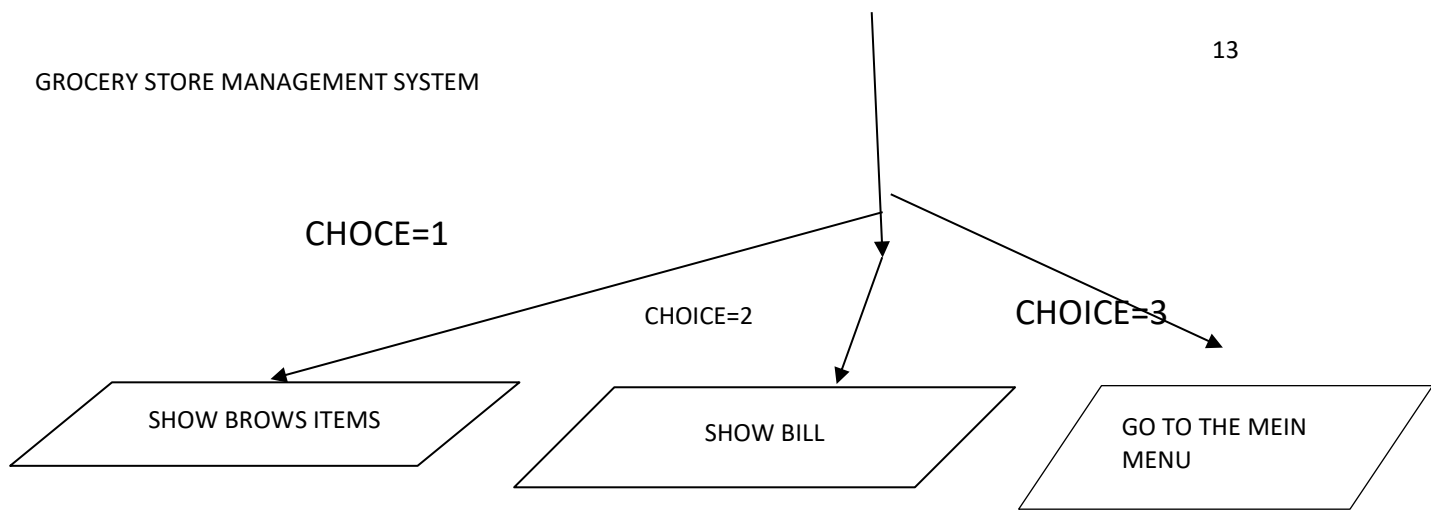
- Customer who want to buy their daily uses products.
- Primary household cooks customer.
- Grocery buyer customer.

3. System Design

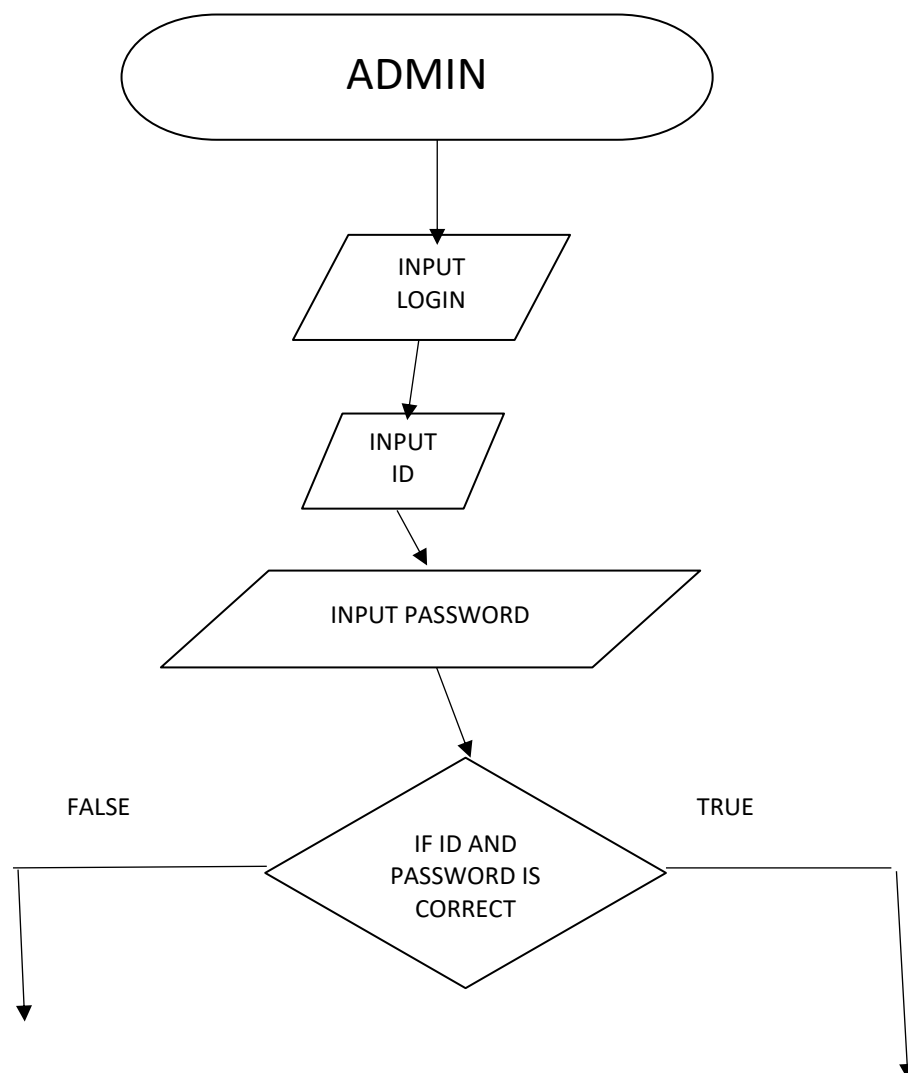
3.1 Flow Diagram

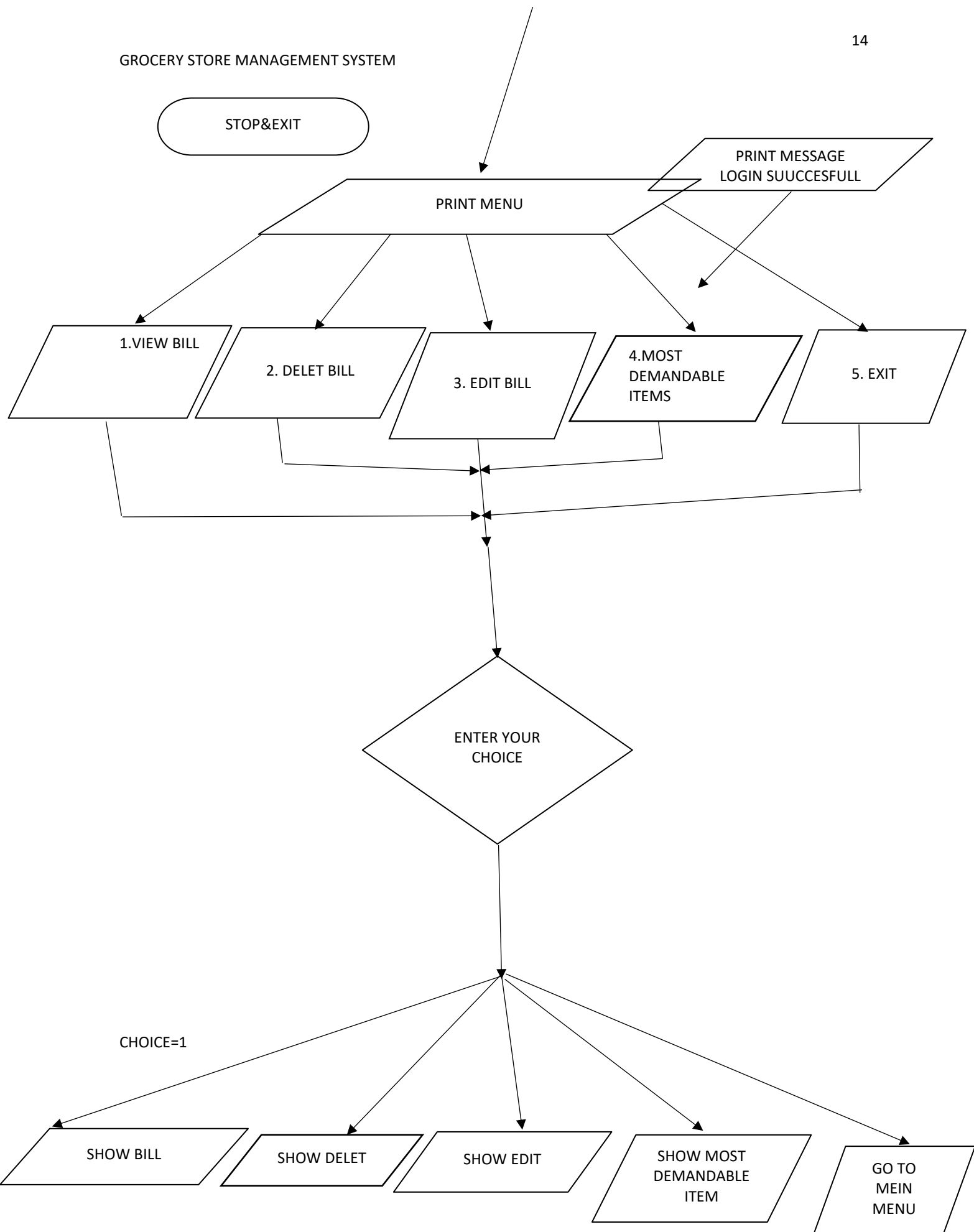






LEVEL 3





4. DEVELOPMENT

4.1 Coding Standards for C Language

- At least one blank line between two function definition.
- New line is used when multiple user inputs.
- Proper indentation.
- At least one space when value is assign to variable or any arithmetic symbol is used.

4.2 Data Structure Concept Used in Project

- **Sorting Using Link List :-** We Created a Feature in our GMS called “Most Demandable Product” that help’s Admin to find most demandable product of the day. For that we use here Bubble Sort Algorithm.

Bubble Sort:-

Worst and Average Case Time Complexity: $O(n*n)$.


```
=====
!!->Welcome to Grocery Management System<-!!
=====

1. You are Customer
2. You are Admin
3. Exit(Credits)

Enter your choice:g
```

```
=====
!!->Welcome To Admin Pannel<-!!
=====

1.View Bill
2.Delete Bill
3.Edit Bill
4.Most Demandable Product
5.Exit(Return to Login Page!!)

Enter your choice:_
```

```
=====
-> View Bill Detail!! <-
=====

Time : Wed Nov 18 09:46:52 2020

Bill No:102                                Customer Name is:rashid2

-----
Choice                Quantity            Price            Total Price per Quantity
-----
Arial Powder          2                80                160
Coffee                4                180               720
Sugar                 2                210               420
Cookie                2                120               240

Grand Total : 1540

Have a Good Day:)
```

7. Proposed Enhancements:-

Enhancements in this project can be as follows

Graphics Enhancements:-

As an enhancement, This project contains less graphics as it's a GMS ,
We are trying to increase Graphics.

Less Steps:-

Till now this system content more number of steps that mite confuse the customers , so we are trying to less the number of steps .

Increase The Items:-

Till now this system contents fix number of items in their menu, because of that admin could not increase their item in their shop for that we are trying to solve this problem and trying to create a menu which has the facility to add new item in the menu.

- Further Enhancement is that we are trying to make this system work for Big Shops and Malls also.

8. Conclusion:-

- Currently at many places people using Bill book for creating Bill and to maintain records of selling because of that they have lot of books and lot of people are tired of storing the book carefully, so for to help them we created “Grocery Management System” which help them in storing data electronically in the computer.
- In that GMS we used file system that help the shop owner when a customer create their bill in this system then this system automatically generate a file with customer name in that file purchase detail of customer is written, and because of that the use of bill book is less .