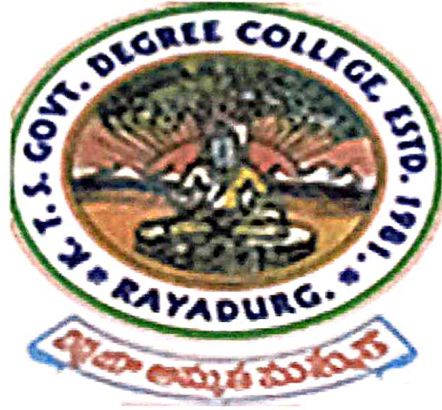


A
STUDY PROJECT ON
CUSTOMER BILLING SYSTEM



THIS PROJECT REPORT IS SUBMITTED TO
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(COMPUTER APPLICATIONS)

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ABSTRACT

CUSTOMER BILLING SYSTEM

Customer billing system deals with the automation of supermarket this software will help a sons in managing the various types of recording pertaining to customer. The product will help to user to work in a highly effective and efficient environment IT customer the considerable time and energy that would be utilised in the better product activity a part from the with increasing customer strength the task of managing information of each individual customer is indeed cumbersome task

In the manual system there are number of in effective that a sales person face the information retrieval is one of the form most problem it is very difficult to gather the overall performance reports of the customer large records books have to maintained where relevant and relevant information has to be score the automation deals with all such problems and try to remove them in the best suitable fashion the new system was cat to had need of the sale person of any supermarket so that sales person can manage the system efficient supermarket building system is developed with the objectives of making the system reliable easier fast and more information

INTRODUCTION:

Customer Billing System Project is a basic console application created to show the actual use of the C programming language and its capabilities as well as to develop an application that can be used to charge customers in any department store, shop, café, etc.

You may use this program to keep track of your frequent customers' information such as name, address, phone number, paid amount, due amount, payment date, and so on. You may also add and update accounts at any moment if you have a new client.

The Customer Billing System Project in C source code was created entirely in the C programming language, with no graphics.

- It can host an unlimited number of accounts, and new accounts may be added at any moment.
- Simple calculations, such as the computation of due amount, balance, and so on, have been programmed into the project code.
- The Customer Billing System project in C allows you to search for an account using one of two methods: the customer's name or the customer's number.
- The amount that has to be paid is shown as a negative balance.
- You may quit the software immediately from the main menu if you don't need it.

1.1PURPOSE

Customer Billing System Project is a simple console application designed to demonstrate the practical use of C programming language and its features as well as to generate an application which can be used in any departmental store, shops, cafes etc. for billing to the customer.

You can use this application to keep the records such as name, address, mobile number, paid amount, due amount, payment date etc. of your regular customer. Moreover, if you have a new customer, you can add and edit the account at any time.

The source code of Customer Billing System Project in C has been written in C programming language without the use of any graphics. The code is complete, totally error free and not that long – just. It is to be compiled in Code::Blocks using GCC compiler. You can directly download the source code from any of the links provided here.

1.2 SCOPE OF THE WORK

Scope of billing software is used to invoice clients for services and goods as well as to track time and billing. It helps with the administration of a chain of stores as well as other company billing systems. Additionally, it provides recurring services and a professional rent billing system. Billing systems assist in the automation of time-consuming operations including, but not limited to, the creation of invoices, tracking of products, and other accounting records. Furthermore, you don't need to worry about it every time you bill because such software automatically calculates and applies tax on taxable items.

- End-users of the system as well as the administrators who oversee, manage, and carry out normal activities to promote the usage of the proposed billing system are referred to as administrators.
- Customer - The intended users of the proposed web-based billing and collection system.
- Efficiency is a group of traits that affect how software performs and how many resources are used when particular circumstances exist. These traits include temporal behavior and resource utilization.
- Functionality - A group of elements, including suitability, accuracy, interoperability, and security, affect the existence of a group of functions and their claimed attributes.
- The ability of software to be moved from one environment to another depends on a number of factors, including adaptability, install ability, cohabitation, and replace ability.
- Reliability is the capacity of software to maintain its level of performance over an extended period of time while operating in a given environment. Three qualities that impact this ability are maturity, fault tolerance, and recoverability.

1.3 PROBLEM STATEMENT

In today's fast paced society it is very hot to be completely without using cutting edge technology. Availability in the market after years of business, the data has grown much. It is being a challenge for a person to manage the data in an effective way to be more productive. In order to process, he needs a solution which can facilitate the current process which uses technology and software with an increased amount of orders, becoming difficult for a person to manage orders in effective and efficient manners. It is very hard to go through all the paper work and back tracking orders.

Drawbacks of manual system:

Time consuming:

Getting the required information from the available data takes a lot of time. Changing, editing and uploading the information contained in the several files is a slow and time consuming process.

Poor communication:

A manual system requires employees and managers to write down each time and then is removed from the inventories if any employee forgets to mention that the last coffee product has been removed from the inventory. The manager expects the items to still be available for a customer during sales.

- **Needs of efforts:** In a manual system, items are recorded and maintained in separate files so it takes much effort to collect data from several stores. For example, if we want to change or delete the data of any transactions within it, it has to be changed in all the files and placed in storage.
- **Needs large space:** In manual work, data items have to be stored in several places. Similarly, students' records are maintained in separate registers, which require more storage.

Description of the existing system:

Many super markets use this type of billing system for a decade. It is also improved many times according to requirements of sellers and customers. It does the same work that i.e. calculating the bill gives it to the customer and maintains proper database they are accurate in calculation and printing, they also generate records.

Bottlenecks of the existing system:

Every system has pros and cons so existing system also have many advantages and disadvantage. So , the bottlenecks of the existing system are as follows.

- User interface: user interface is not so much good that operates feel some problem in working.
- Graphical use of interface: GUI is not good so the operates get bored by watching screen.
- Processing speed: processing speed is the software is not so much good to operate fast.
- Flexible: Existing system is not so much flexible that can be changed according to the need operates and customers.
- Automatic generation of the reports: not able to automatically generate the reports and documents.
- Work load: sometimes the system hangs when work load is more.
- Error free: sometimes the system gives error in the calculation in making the bill and in the information of the products due to work load.
- Manpower: Existing system uses so many people to operate the system.
- Resources: system doesn't use the resources properly.

2.0 SYSTEM SPECIFICATIONS

2.1 Hardware specifications

Processor: Intel core i5 processor

RAM: 8GB (MINIMUM)

HDD: 14GB (MINIMUM)

2.2 Software specifications

Operating system: windows 8.1

Front –End: visual studio

Languages used: C and C++

3.0 MODULE DESCRIPTION

There are 4 modules in this

These are as follows

- 1.4 Apply discount
- 1.5 Check the report
- 1.6 The information about products
- 1.7 calculate the bill

Module 1: Apply discount this discount is for administration who will

Set of the discount for the product

Module 2: check the report

This module is also for the administration who can generate or check the report for the product and how many products are sold on particular date and period of time.

Module 3: Enter the information about products

This model is for data entry operator who will

- 1. Enter which product comes in the store
- 2. Prices and expire date of the product

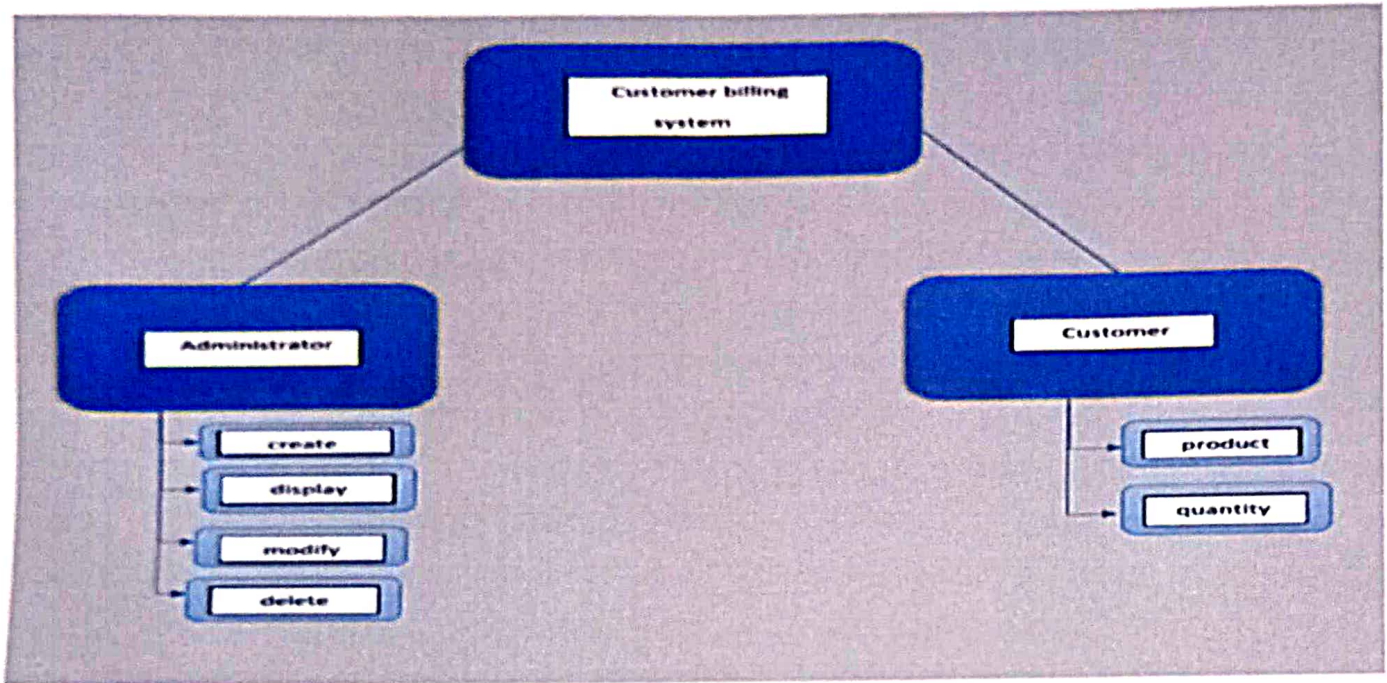
Module 4: calculate the bill

This module is for Bill calculating operating who will

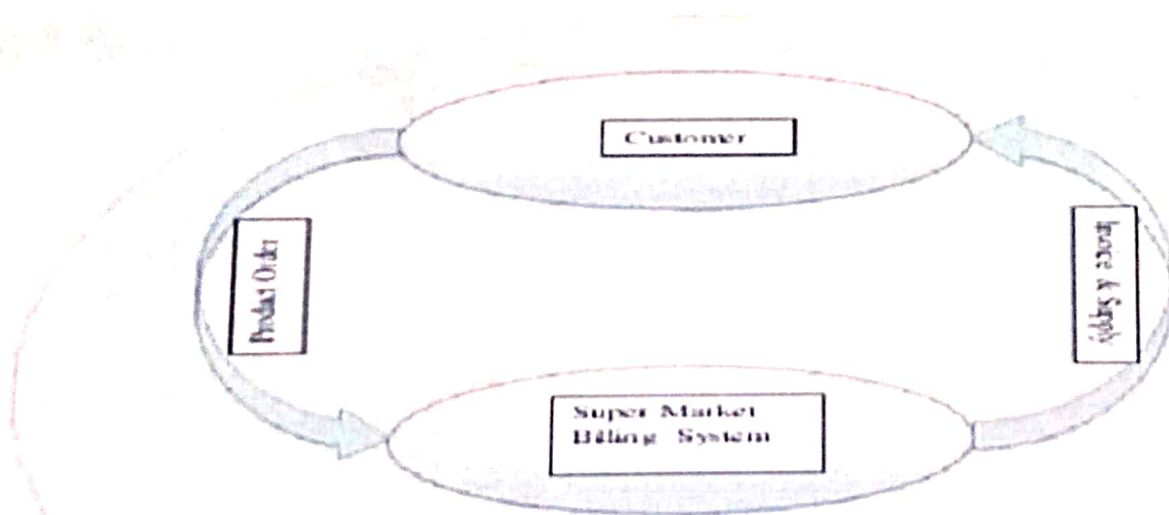
- 1. Calculation the bill
- 2. Print it

4.0 SYSTEM DESIGN

4.1 ARCHITECTURE DIAGRAM



4.2 DATA FLOW DIAGRAM



5.0 SCREEN SHOTS

1. THIS SHOWS THE MENU OF A SUPER MARKET BILLING SYSTEM

SUPER MARKET

BILLING

PROJECT

MADE BY: 2ND B.COM COMPUTER'S STUDENTS

MAIN MENU

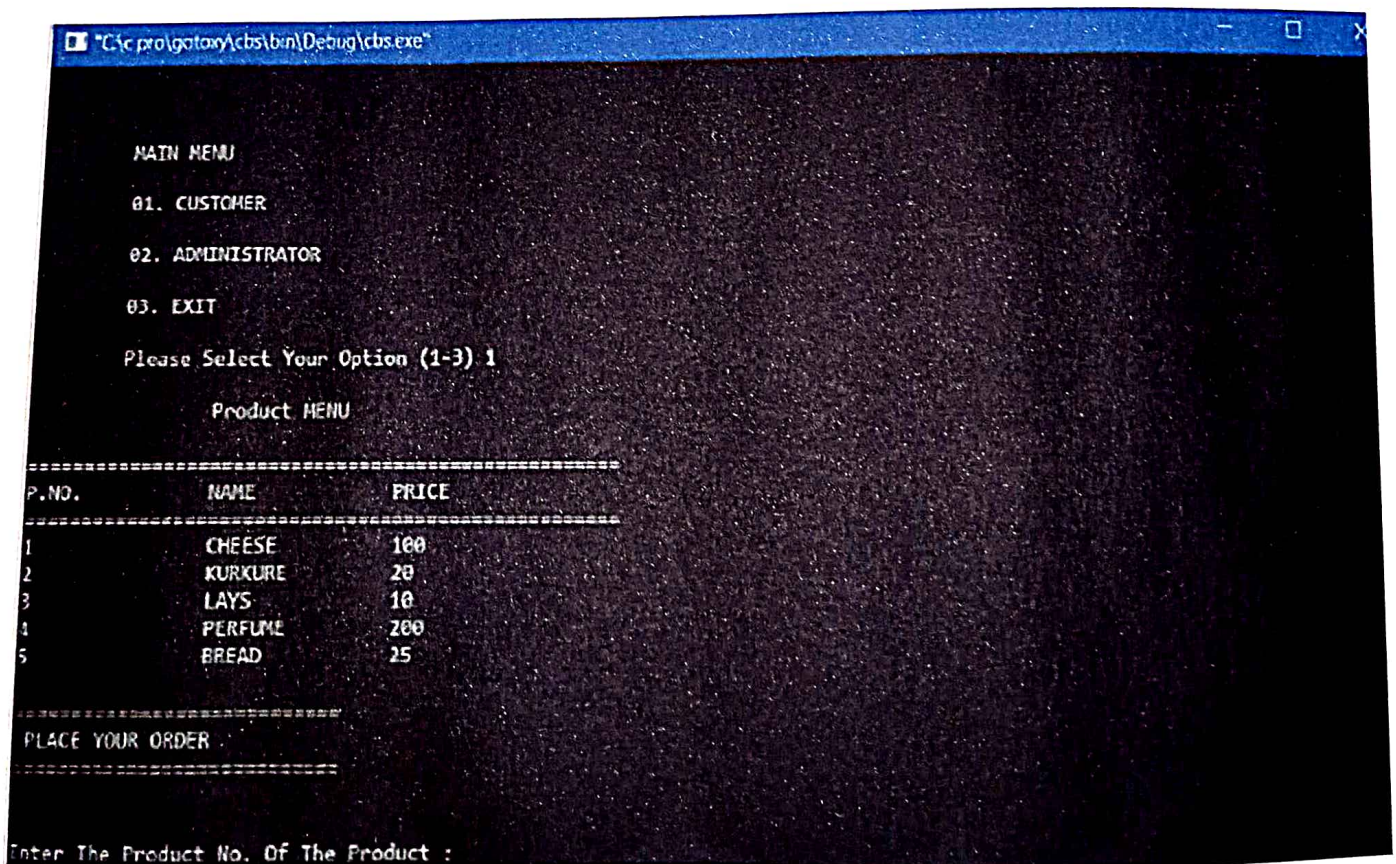
01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3)

2. IT SHOWS THE PRODUCT MENU FOR THE CUSTOMER



The screenshot shows a Windows command prompt window with the title bar "C:\c pro\gotany\cbs\bin\Debug\cbs.exe". The main menu is displayed, and the user has selected option 1 (CUSTOMER). The product menu is then shown, listing five items: CHEESE (100), KURKURE (20), LAYS (10), PERFUME (200), and BREAD (25). The prompt "Enter The Product No. Of The Product :" is visible at the bottom.

```
"C:\c pro\gotany\cbs\bin\Debug\cbs.exe"

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 1

Product MENU

=====
P.NO.      NAME      PRICE
=====
1          CHEESE    100
2          KURKURE    20
3          LAYS       10
4          PERFUME    200
5          BREAD     25
=====

PLACE YOUR ORDER

=====

Enter The Product No. Of The Product :
```

3. IT SHOWS THAT A BILLING SYSTEM OPERATORS CON ADD ITEM DETAILS, MODIFY THE ITEM DETAILS,DELETE THE ITEM DETAILS AND GO BACK TO MAIN MENU

"C:\c pro\gotoxy\cbs\bin\Debug\cbs.exe"

MAIN MENU

01. CUSTOMER

02. ADMINISTRATOR

03. EXIT

Please Select Your Option (1-3) 2

ADMIN MENU

1.CREATE PRODUCT

2.DISPLAY ALL PRODUCTS

3.QUERY

4.MOOIFY PRODUCT

5.DELETE PRODUCT

6.VIEW PRODUCT MENU

7.BACK TO MAIN MENU

Please Enter Your Choice (1-7)

Conclusion:

This software has been developed, designed to reduce the time taken to handle the sales activity .it is designed to replace an existing manual record system for reducing time taken for calculations and for storing data. This system has been developed with OOPs concept. The system is strong to handle daily operations where the database is cleared over certain time the system will reduce manual work , calculations and will also provide periodic reports any time.