G.H. Raisoni College of Engineering & Management , Pune

(An Autonomous Institute Affiliated to SPPU)

Department: S.Y. Computer Engineering

Subject: **(BITL202-Object Oriented Programming)**

Topic:-"RESELLER OF ENGINEERING STUFF"

Submitted To:

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Introduction

This is 21st century, everyone is busy is in mobile and computer. So due to this selling and buying of engineering related stuff increased. So to save data   that how much stuff we are sell and buy for that we are develop software.

With increasing customer base of engineering stuff company's data of customers is also increasing and to handle this all data on papers is costly and time consuming and also it is a very inefficient process.

So to overcome such problems we need a software which can manage this large data which will be fast, easy to use and efficient. By using such system we can sell the data by dividing it into different categories and can use the targeted advertising to expand the business. We can now even provide the customer to sell their products over our system and can mutually benefited.

1.1 Objective

- Prepare and deliver technical presentations explaining products or services to customers and prospective customers
- Confer with customers and engineers to assess equipment needs and to determine system requirements
- Secure and renew orders and arrange delivery
- Help clients solve problems with installed equipment

1.2 Scope

- Helpful for small start-ups.

- Digitally marketing is possible through targeted advertising.

- Customer's interest can be analyse through his searches and suggestions can be provided.

- Expansion of the business is easy for small businesses.

    Cost can be effectively reduced by removing inside agents

2. Abstract

Reselling of Engineering stuff system project is implemented in c++ language. Main aim of this project is to develop a online application for reselling of stuff to atomize work procedure, using this system admin and users can check the details about different products and their specifications, terms and conditions on returns over the system. Admin commission is based upon customer policy registration and target suppliers achieves for every month or year. This system maintains information of branch managers who can deal with suppliers and customers.

In existing system manual procedure is followed where records are used to maintain data which is a time taking process and require more man power and calculating commissions dues..etc are done manually.

In this system there is no need of human interference in calculating any details. Total work is done using management system which will save time and less paper work and even human resource.

This application is implemented in two modules admin and customer.

Admin Module: This module is the main module in which admin is super user and will look after product details, latest updates on products, terms and conditions information of different branches and he can recruit branch managers.

Customer Module: Using this module customer can log in to account and search and buy the products and can pay the payment either online or offline.

3. Requirement Specification

It specifies the hardware requirements like memory restrictions, cache size, the processor, RAM size etc... Those are required for the software to run.

3.1 Hardware requirements

- Minimum Hardware Requirements
- Processor: Intel Pentium III / Intel core to duo (any singe core
- with clock frequency of 1.00 GHz)
- Hard disk drive :40 GB
- RAM :500 MB
- Cache: 512 kb

3.2 Software requirement

- Operating System: Windows XP and above, all Linux Operating system
- Dos Emulator is mandatory.
- Compiler required: Turbo C++, GNU Compiler (Code block) and Code Warrior etc.

Code block : It is a free open source cross platform IDE the support multiple compiler GNU GCC, Clang and Visual C++. It is developed in C++ using wxWidgets as the GUI toolkit.

4. Flow Chart :

```
                          START

                          LOGIN
         ADMIN                            USER

              CREATE                          DISPLAY

              DISPLAY                         SEARCH

              EDIT                            BUY

              SAVE

                          END
```
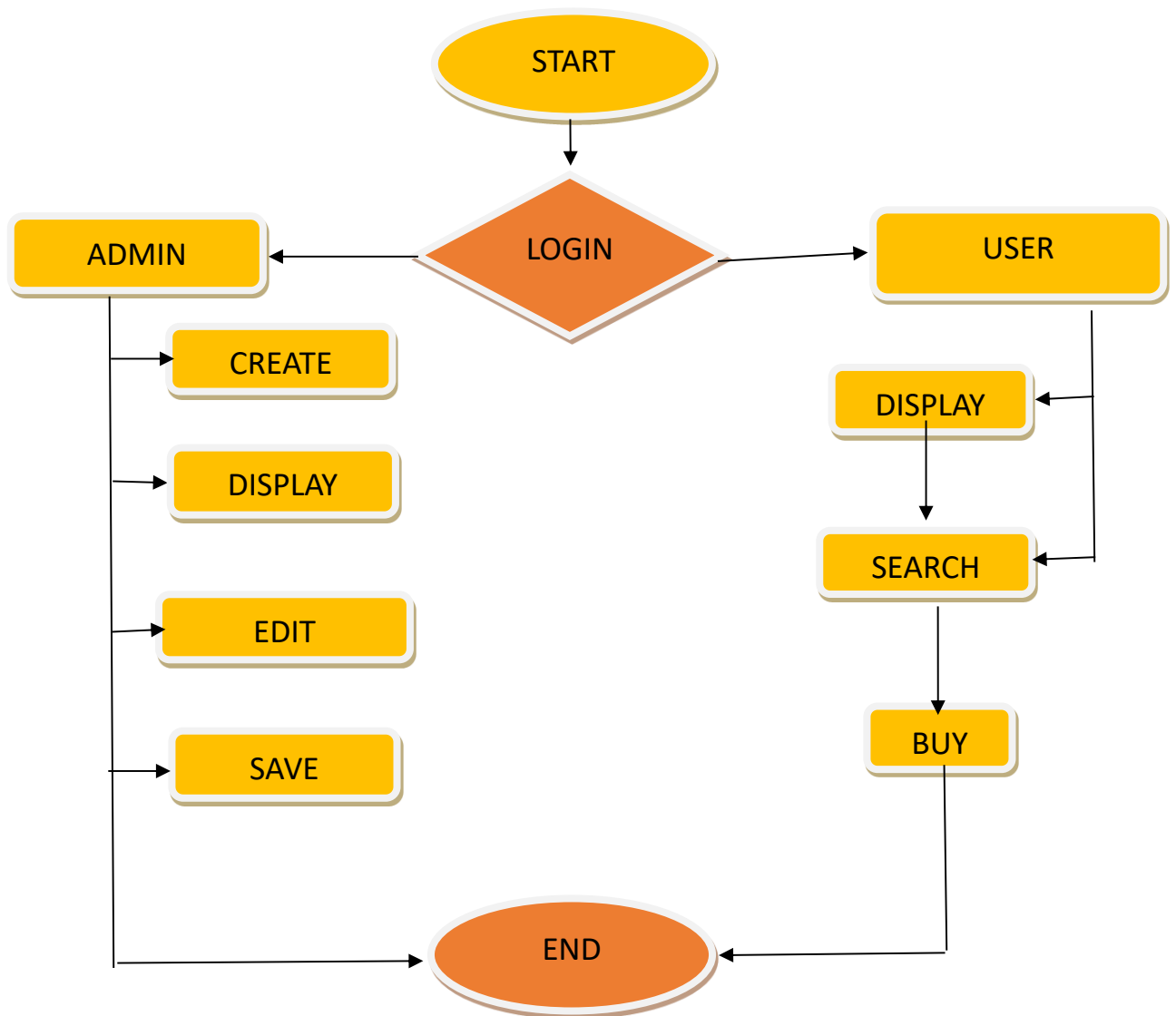
5. Inheritance:

1) MULTI LEVEL INHERITANCE :

ENGINEERING STUFF	Base Class
↓	
ADMIN	Intermediary Class
↓	
USER	Derive Class
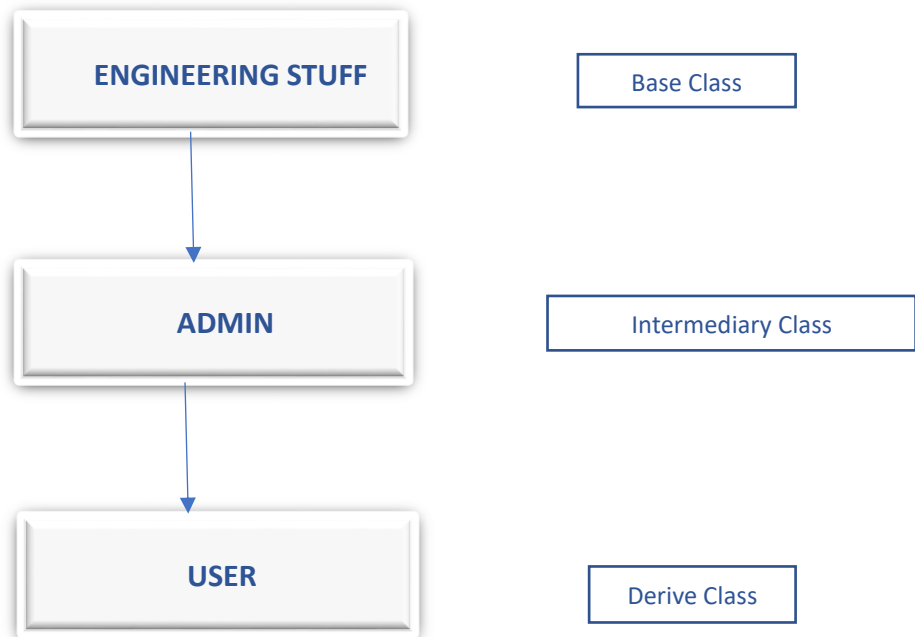
6. Source Code :

```cpp
#include<iostream>
#include<fstream>
using namespace std;
class engineering_stuff
{
public:
    char name[10];
    int price;
    void admin_input()
    {

        cout<<"ENTER THE NAME OF STUFF : ";
        cin>>name;
        cout<<"ENTER THE PRICE OF STUFF : ";
        cin>>price;
    }
};
class admin: public engineering_stuff
{
public:
    void display()
    {
        cout.width(20);
        cout<<name;
```

```cpp
         cout.width(18);
         cout<<price<<endl;


    }

};
class user:public admin
{
public:
   int quantity,total_price;
    string userName,address,mob;
   void fdisplay()
   {
      cout<<"ENTER THE QUANTITY OF STUFF:  :";
      cin>>quantity;
      total_price=admin::price*quantity;
      cout.width(55);
      cout<<admin::name;
      cout.width(15);
      cout<<quantity;
      cout.width(15);
      cout<<admin::price;
      cout.width(15);
      cout<<total_price<<endl;
```

```cpp
    }
    void user_basic()
    {
        cout<<"\t\t ENTER NAME : ";
        cin>>userName;
        cout<<"\t\t MOBILE NUMBER : ";
        cin>>mob;

    }
};

int main()
{
    int n,ch;
    int Gtotal=0,c,select;
    char address[100];
    user s[10];
 while(1)
{
    cout<<"\n\n\t1.ADMIN"<<endl;
    cout<<"\t2.USER"<<endl;
    cout<<"\t3.EXIT"<<endl;
    cout<<"\nENTER YOUR CHOICE:- ";
    cin>>ch;
```

```cpp
  switch(ch)
  {

    case 1:
    {

      cout<<"ENTER THE NUMBER OF STUFF: \n";
      cin>>n;
      ofstream file;
      file.open("sumit.txt",ios::out);
        for(int i=0;i<n;i++)
        {
         s[i].admin_input();
         file.write((char*)&s[i],sizeof(&s));
        }
        file.close();
         cout.width(50);
         cout.fill('*');
         cout<<"DATA**************************"<<endl;
         cout.fill(' ');
         cout<<"\t\tNAME\t"<<"\tPRICE\t\t"<<endl;

cout<<"\t*********************************************
*"<<endl;
       ifstream infile;
```

```cpp
        infile.open("sumit.txt",ios::in);
          for(int i=0;i<n;i++)
          {
             infile.read((char*)&s[i],sizeof(&s));
             s[i].display();


cout<<"\t**********************************************
***"<<endl;
          }
        infile.close();
          break;
    }
    case 2:
       {



          s[0].user_basic();
          cout<<"\t----------------------DATA------------------------
"<<endl;
          cout<<"\t\tSr. No.\t\tNAME\t"<<"\tPRICE\t\t"<<endl;


cout<<"\t***********************************************
*******"<<endl;
          ifstream infile;
          infile.open("sumit.txt",ios::in);
          for(int i=0;i<n;i++)
          {
```

```cpp
        infile.read((char*)&s[i],sizeof(&s));
        cout<<"\t\t"<<(i+1);
        s[i].display();

cout<<"\t***************************************************"<<endl;
        if(i==(n-1))
        {
            cout<<"ENTER THE NO OF SELECTION : ";
            cin>>select;
            cout<<"\t\t\t\t\t\t---------------------DATA------------------------------"<<endl;
            cout<<"\t\t\t\t\t\t NAME \t\t QUANTITY \t PRICE \t\t TOTAL\t\t"<<endl;

cout<<"\t\t\t\t\t\t*****************************************************"<<endl;
            for(int j=0;j<select;j++)
            {
                cout<<"enter the serial number to select :";
                cin>>c;
                c=c-1;
                s[c].fdisplay();
                Gtotal=Gtotal+s[c].total_price;
                if(j==(select-1))
                {
```

```cpp
cout<<"\t\t\t\t\t*******************************************
************"<<endl;
                cout<<"\t\t\t\t\t\t\t\t\tGRAND TOTAL =
"<<Gtotal<<endl;

cout<<"\t\t\t\t\t*******************************************
************"<<endl;
                cout<<"\n\n\t\t ENTER ADDRESS : ";
                cin>>address;
                cout.width(80);
                cout<<"WE WILL SEND THE SHIPMENT
SOON ON THE ADDRESS\n"<<address;
                cout.width(80);
                cout<<"THANK YOU FOR SHOPPING WITH
US";
                }


                }
            }
            }
        infile.close();
        break;
        }
    case 3:
        cout.width(100);
```

```cpp
        cout<<"THANK YOU";
        return 0;
        break;
    }
}
}
```

7. Output:-

```
         1.ADMIN
         2.USER
         3.EXIT

ENTER YOUR CHOICE:- 1
ENTER THE NUMBER OF STUFF:
2
ENTER THE NAME OF STUFF : KEYBOARD
ENTER THE PRICE OF STUFF : 450
ENTER THE NAME OF STUFF : MOTHERBOARD
ENTER THE PRICE OF STUFF : 4000
**********************DATA*************************
              NAME           PRICE
     ***********************************************
         KEYBOARD               450
     ***********************************************
       MOTHERBOARD              4000
     ***********************************************


         1.ADMIN
         2.USER
         3.EXIT

ENTER YOUR CHOICE:- 2
             ENTER NAME : SUMIT
             MOBILE NUMBER : 7875656769
      -----------------------DATA------------------------
             Sr. No.        NAME           PRICE
      ****************************************************
             1            KEYBOARD              450
      ****************************************************
             2          MOTHERBOARD            4000
      ****************************************************
```

```
ENTER THE NO OF SELECTION : 2
                                 ------------------------DATA-------------------------
                                 NAME          QUANTITY       PRICE        TOTAL
                                 *****************************************************
enter the serial number to select :1
ENTER THE QUANTITY OF STUFF:  :23
                                 KEYBOARD         23           450         10350
enter the serial number to select :2
ENTER THE QUANTITY OF STUFF:  :4
                                 MOTHERBOARD      4           4000         16000
                                 *****************************************************
                                                          GRAND TOTAL = 26350
                                 *****************************************************


             ENTER ADDRESS : PUNE
                           WE WILL SEND THE SHIPMENT SOON ON THE ADDRESS
PUNE                                     THANK YOU FOR SHOPPING WITH US

       1.ADMIN
       2.USER
       3.EXIT

ENTER YOUR CHOICE:-
```

8. Advantage

- Carefully choosing your resellers, affiliates, distributors or partners can efficiently and cost effectively increase your customer base and expand your growth potential.

- Resellers are a quick and easy way to expand your business to new territories locally, nationally and even internationally without the expense.

- Increase brand awareness through a network of resellers who will all promote your business and bear the cost of their own marketing reducing your marketing costs.

- Strategic resellers and partners can open the door to new vertical markets which may otherwise be inaccessible or require significant marketing investment to enter.

10.References

1. https://www.udemy.com/beginning-c-plus-plus-programming/
2. https://www.tutorialspoint.com/cplusplus/
3. https://www.geeksforgeeks.org/c-plus-plus/
4. https://www.youtube.com/channel/UCkGS_3D0HEzfflFnG0bD24A
5. balaguruswamy c++ Book.