D.A.V. PUBLIC SCHOOL, AIROLI

COMPUTER SCIENCE PROJECT

ON

<u>Super Market Billing</u>

SESSION – 2017-2018

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CERTIFICATE

This is to certify that Master/~~Miss~~ <u>Tanish Afre</u> of Std XI, D. A. V. Public School, Airoli , has successfully completed the project entitled <u>Super Market Billing</u> using C++ during the academic year <u>2018-2019</u>. It is further certified that the project is the genuine work of the student and has been done sincerely and satisfactorily.

External Examiner's Signature	Teacher's Signature	School Stamp

ACKNOWLEDGEMENT

In the accomplishment of this project successfully, many people have bestowed upon me their blessings and a heart pledged support, these times I am utilizing to thank all the people who have been concerned with my project.

Primarily I would thank god for been able to complete this project with success. Then I would to thank my principal Mrs.Suruchi Kataria and computer science teacher Mrs. Manisha Desai whose valuable guidance helped me patch this project.

Their instructions have served as a major contributor towards the completion of the project.

Then I would like to thank my parents and friends who have helped me with their guidance that has been helpful in various phases of completion of project.

Last but not the least I would Like to thank my classmates who have helped me a lot.

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INTRODUCTION

Super Market Billing system is a very simple mini project in C++, built as a console application without using graphics features. It's just a demonstration of the use of file handling and stream class in C++ language.

The project is relatively simple to understand as there are just a few features. Understanding the source code will give you the idea regarding file handling: how to add, remove, edit, and search data or info to/from file.

Listed below are the key features of this project:

- **Use of structure array**: In this project, instead of giving no. of variables to the structures, a structure array is used so that the structure can be accessed easily by using a loop rather than searching for each variable by if-else statements.

- **Show item details**: This feature allows users to see the final invoice of the items given by the customer. Also the admin can view the item list.

SOURCE CODE

```cpp
#include<iostream.h>
#include<conio.h>
#include<ctype.h>
#include<math.h>
#include<string.h>
#include<stdio.h>
#include<process.h>
struct item
{
char name[50];
int no;
long int cost;
};
item
S[10]={{"Redbull",1,100},{"Shirt",2,50},{"Trouser",3,150},{"Beyblades",4,
20},{"Bhendi",5,20},{"Fruits",6,90},{"Guitar",7,4000},{"Pubg
PC",8,2000},{"Farewell 12th",9,200},{"RD.Sharma",10,400}};
void display();
void admin();
void customer();
void bill(int,int);
void billing();
void main()
{
 clrscr();
 display();
 billing();
 getch();
}
void display()
{
 clrscr();
 cout<<"\n\n\n\n\n\n\n\n";
 cout<<"\t          ***********************************\n";
 cout<<"\t          * WELCOME TO COUNTER CORNER STORES *\n";
 cout<<"\t          ***********************************\n";
```

```cpp
 cout<<"\t              * 1) CUSTOMER BILLING.        *\n";
 cout<<"\t              * 2) ADMIN.                   *\n";
 cout<<"\t              * 3) EXIT.                    *\n";
 cout<<"\t              ***********************************\n";
 int r;
 cin>>r;
 if(r==1)
 customer();
 else if(r==2)
 admin();
 else if(r==3)
 exit(0);
 else
 cout<<"Invalid input!!!";
 }

 int t;

 void customer()
 {
 clrscr();
 int s,n;
 char ch;
 cout<<"SR.no    NAME       COST    |    SR.NO    NAME       COST";

 cout<<"\n"<<S[0].no<<"\t"<<S[0].name<<"\t\t"<<S[0].cost<<"\t\t"<<S[1].no<<
 "\t"<<S[1].name<<"\t\t"<<S[1].cost;

 cout<<"\n"<<S[2].no<<"\t"<<S[2].name<<"\t\t"<<S[2].cost<<"\t\t"<<S[3].no<<
 "\t"<<S[3].name<<"\t"<<S[3].cost;

 cout<<"\n"<<S[4].no<<"\t"<<S[4].name<<"\t\t"<<S[4].cost<<"\t\t"<<S[5].no<<
 "\t"<<S[5].name<<"\t\t"<<S[5].cost;

 cout<<"\n"<<S[6].no<<"\t"<<S[6].name<<"\t\t"<<S[6].cost<<"\t\t"<<S[7].no<<
 "\t"<<S[7].name<<"\t\t"<<S[7].cost;

 cout<<"\n"<<S[8].no<<"\t"<<S[8].name<<"\t"<<S[8].cost<<"\t\t"<<S[9].no<<"\
 t"<<S[9].name<<"\t"<<S[9].cost;
 cout<<"\nNo. of items you are going to buy?";
 cin>>t;
```

```cpp
 while(ch!='y')
 {
  cout<<"\nEnter item number";
  cin>>s;
  cout<<"\nEnter quantity";
  cin>>n;
  bill(s,n);
  cout<<"\nHogaya? ^o^  (y/n)";
  cin>>ch;
 }

}


int i=0;
item R[50];


void bill(int s,int n)
{
 R[i]=S[s-1];
 R[i].cost=S[s-1].cost*n;
 i++;
}


void admin()
{
clrscr();
char v;
 cout<<"SR.no    NAME      COST   |   SR.NO     NAME       COST";

cout<<"\n"<<S[0].no<<"\t"<<S[0].name<<"\t\t"<<S[0].cost<<"\t\t"<<S[1].no<<
"\t"<<S[1].name<<"\t\t"<<S[1].cost;

cout<<"\n"<<S[2].no<<"\t"<<S[2].name<<"\t\t"<<S[2].cost<<"\t\t"<<S[3].no<<
"\t"<<S[3].name<<"\t"<<S[3].cost;

cout<<"\n"<<S[4].no<<"\t"<<S[4].name<<"\t\t"<<S[4].cost<<"\t\t"<<S[5].no<<
"\t"<<S[5].name<<"\t\t"<<S[5].cost;
```

```cpp
cout<<"\n"<<S[6].no<<"\t"<<S[6].name<<"\t\t"<<S[6].cost<<"\t\t"<<S[7].no<<
"\t"<<S[7].name<<"\t\t"<<S[7].cost;

cout<<"\n"<<S[8].no<<"\t"<<S[8].name<<"\t"<<S[8].cost<<"\t\t"<<S[9].no<<"\
t"<<S[9].name<<"\t"<<S[9].cost;

 cout<<"\nPress s to continue shopping or any key to have your invoice
o_o";
 cin>>v;
 if(v=='s')
 display();

}

void billing()
{
clrscr();
long int sum=0;
cout<<"\nXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX";
cout<<"\nX                     SR.no   NAME        COST                    X";
cout<<"\nXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXX";
for(i=0;i<t;i++)
{
 cout<<"\n\n\t\t\t  "<<R[i].no<<"\t"<<R[i].name<<"\t\t"<<R[i].cost;
}
for(i=0;i<t;i++)
{
sum=sum+R[i].cost;
}
cout<<"\n\n\t\t\t  Your grand total is: "<<sum;
cout<<"\n\nXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX";
cout<<"\n\n\t\t\tThank you for shopping with us ";
}
```

SCREENSHOTS

Welcome screen:

```
****************************************
* WELCOME TO COUNTER CORNER STORES *
****************************************
* 1) CUSTOMER BILLING.                 *
* 2) ADMIN.                            *
* 3) EXIT.                             *
****************************************
```

Admin screen :

```
SR.no     NAME         COST      :    SR.NO        NAME        COST
1         Redbull      100            2            Shirt       50
3         Trouser      150            4            Beyblades   20
5         Bhendi       20             6            Fruits      90
7         Guitar       4000           8            Pubg PC     2000
9         Farewell 12th 200           10           RD.Sharma   400
Press s to continue shopping or any key to have your invoice o_o_
```

Customer input :

```
SR.no      NAME          COST      :    SR.NO      NAME        COST
1       Redbull          100            2       Shirt         50
3       Trouser          150            4       Beyblades     20
5       Bhendi           20             6       Fruits        90
7       Guitar           4000           8       Pubg PC       2000
9       Farewell 12th    200            10      RD.Sharma     400
No. of items you are going to buy?2

Enter item number3

Enter quantity4

Hogaya?  ^o^  (y/n)n

Enter item number2

Enter quantity6

Hogaya?  ^o^  (y/n)y_
```

Invoice :

```
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X             SR.no    NAME          COST                       X
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX


              3      Trouser         600

              2      Shirt           300

              Your grand total is: 900

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX


              Thank you for shopping with us █████_
```