

PROJECT

OJUS CHUGH

INTRODUCTION

HUNGRY FORK is based on a concept of ordering food items and generating total food cost.

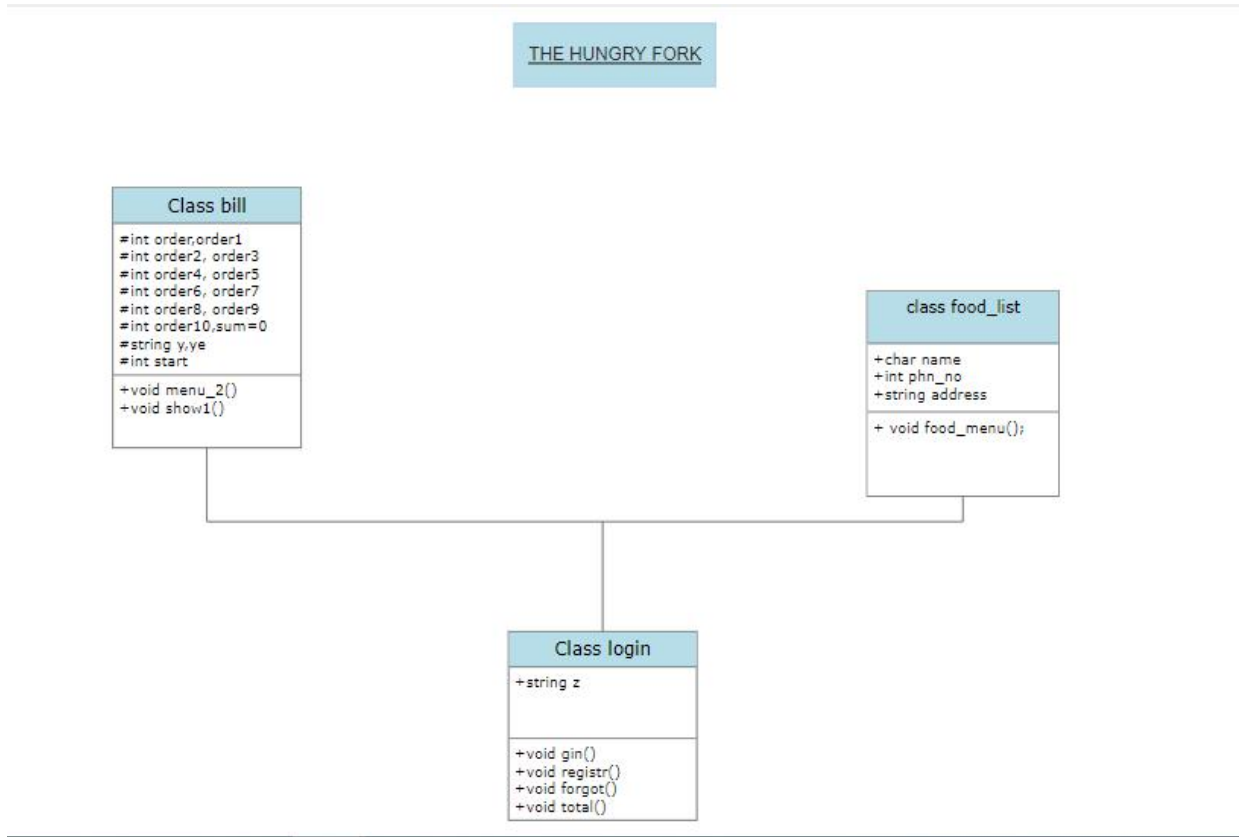
There is a sign in option through which the customer has to register themselves. Then the customer has to login into the system with the help of generated username and password. Then the user can make an order by selecting from the main menu. This mini project contains limited features, but the essential one.

Talking about the features of the simple food order system, the user has to select any of the items from the main menu. Then customer has to enter food quantity. There is another option through which the customer can change the order. After this, the system displays the total bill of the customer. **HUNGRY FORK** is developed using C++ Programming Language and different variables and OOPs concepts have been used for the development of it.

OBJECTIVE

Online ordering system that we are proposing here, greatly simplifies the ordering process for the customer. This system allows customer to place their food order online and provide them with final bill.

CLASS DIAGRAM



CODE

```
#include<iostream>
```

```
#include<string.h>
```

```
#include<conio.h>
```

```
#include<fstream>
```

```
#include<unistd.h>
```

```
#include<istream>
```

```
#include<stdlib.h>
```

```
#include<windows.h>
```

```
using namespace std;
```

```
class food_list
```

```
{
```

```
public:
```

```
void food_menu();
```

```
};
```

```
void food_list::food_menu()
{
    char name;
    int phn_no;
    string address;

    system("cls");

    cout<<"\n\n\t\t\t== YOU CAN ORDER NOW =="<<endl;

    cout<<"\n\n\n\t\t\t=====
===== "<<endl;

    cout<<"\n\n\t\t ***** MENU *****\n\n";

    cout<<"\t\t\t1. Sandwiches\t\tRs 75\n";
    cout<<"\t\t\t2. Veg Crispy Burger\tRs 100\n";
    cout<<"\t\t\t3. Fries\t\tRs 75\n";
    cout<<"\t\t\t4. Mango Shake\t\tRs 45\n";
    cout<<"\t\t\t5. Vegetable Maggie\tRs 120\n ";
    cout<<"\t\t\t6. Veg Momos\t\tRs 90\n";
    cout<<"\t\t\t7. Non Veg Momos\tRs 75\n";
    cout<<"\t\t\t8. Chicken Burger\tRs 150\n";
    cout<<"\t\t\t9. Cold coffee\t\tRs 90\n";
    cout<<"\t\t\t10. Ice cream\t\tRs 50";
```

```
cout<<"\n\n\t\t=====
===== "<<endl;
```

```
}
```

```
class bill:publicfood_list
```

```
{
```

```
protected:
```

```
int
order,start,choice,order1,order2,order3,order4,order5,order6,order7,order8,order9,order
10,sum=0;
```

```
string y,ye;
```

```
public:
```

```
void food_menu2()
```

```
{
```

```
ofstream write;
```

```
write.open("receipt.text");
```

```
if(!write)
```

```
{
```

```
cout<<"file can not open"<<endl;
```

```
exit (-1);
```

```
}
```

```
order1:
```

```
order2:
```

```
start:
```

```
cout<<"\n\n\tEnter your order: ";
```

```
cin>>choice;
```

```
cout<<"\n\n\tDo you want to change your order? (y/n) :";
```

```
cin>>ye;
```

```
if(ye=="y"|| ye=="Y")
```

```
{
```

```
goto start;
```

```
}
```

```
else
```

```
{
```

```
switch(choice)
```



```
{
```

```
case 1:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order1=75;
```

```
sum=sum+order1*order;
```

```
write<<"You order Sandwiches: Rs75";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order Sandwiches. Sucessfully save order!"<<endl;
```

```
break;
```

```
case 2:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order2=100;
```

```
sum=sum+order2*order;
```

```
write<<"You order Veg Crispy Burger: Rs100";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\tYou order Veg Crispy Burger .Sucessfully save order!"<<endl;
```

```
break;
```

```
case 3:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order3=75;
```

```
sum=sum+order3*order;
```

```
write<<"You order Fries: Rs75";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order Fries. Sucessfully save order!"<<endl;
```

```
break;
```

```
case 4:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order4=45;
```

```
sum=sum+order4*order;
```

```
write<<"You order Mango Shake: Rs45";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order Mango Shake .Sucessfully save order!"<<endl;
```

```
break;
```

```
case 5:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order5=120;
```

```
sum=sum+order5*order;
```

```
write<<"You order Vegetable Maggie: Rs120";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order Vegetable Maggie .Sucessfully save order!"<<endl;
```

```
break;
```

```
case 6:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order6=90;
```

```
sum=sum+order6*order;
```

```
write<<"You Veg Momos: Rs90";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order Veg Momos. Sucessfully save order!"<<endl;
```

```
break;
```

```
case 7:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order7=75;
```

```
sum=sum+order7*order;
```

```
write<<"You Non Veg Momos: Rs75";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order Non Veg Momos. Sucessfully save order!"<<endl;
```

```
break;
```

```
case 8:
```

```
cout<<"\n\n\tHow many order? :";
```



```
cin>>order;
```

```
order8=150;
```

```
sum=sum+order8*order;
```

```
write<<"You order Chicken Burger: Rs150";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order Chicken Burger. Sucessfully save order!"<<endl;
```

```
break;
```

```
case 9:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order9=90;
```

```
sum=sum+order9*order;
```

```
write<<"You order Cold Coffee: Rs90";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order Cold Coffee. Sucessfully save order!"<<endl;
```

```
break;
```

```
case 10:
```

```
cout<<"\n\n\tHow many order? :";
```

```
cin>>order;
```

```
order10=50;
```

```
sum=sum+order10*order;
```

```
write<<"You order ice cream: Rs50";
```

```
write<<"\n";
```

```
write<<"Number of order is: "<<order;
```

```
write<<"\n";
```

```
cout<<"\n\n\n\tYou order ice cream. Sucessfully save order!"<<endl;
```

```
break;
```

```
case 11:
```

```
cout<<"\n\tGoodbye.... ";
```

```
exit(0);
```

```
break;
```

```
default:
```

```
cout<<"\n\n\tYou enter wrong keyword !!!!! "<<endl;
```

```
goto start;
```

```
break;
```

```
}
```

```
cout<<"\n\tDo you want to order again? (yes/no) :";
```

```
cin>>y;
```

```
if(y=="yes" || y=="YES")
```

```
{
```

```
goto order1;
```

```
}
```

```
else
```

```
{
```

```
cout<<"\n\tTHANK YOU COME AGAIN! GENERATING BILL ";
```

```
cout<<"\n\n\t";
```

```
system("PAUSE");
```

```
}
```

```
}
```

```
system("cls");  
string name;  
int phn_no;  
string address;
```

```
cout<< "\n\t\t===== "<<endl;
```

```
cout<< "\n\t\t|          Food Ordering System          | "<<endl;
```

```
cout<< "\n\t\t===== "<<endl;
```

```
cout<<endl;
```

```
cout<<endl;
```

```
cout<< "Enter your name:";
```

```
cin>> name;
```

```
cout<< "Enter your address:";
```

```
cin>> address;
```

```
cout<< "Enter your phone:";
```

```
cin>>phn_no;
```

```
cout<< "\nYour name is: " << name;
```

```
cout<< "\nYour address is: " << address;
```

```
cout<< "\nYour phone is: " <<phn_no;
```

```
cout<< "\n\t\tBillNo : 1000      Order : THF01"<<endl;
```

```
cout<<endl;
```

```
cout<<endl;
```

```
cout<<endl;
```

```
cout<<"\n\n\t\tTotal bill is : Rs"<<sum<<endl;
```

```
write<<"\n\n";
```

```
write<<"Total: "<<sum;
```

```
cout<< "\n\t\t Thank you for being our valued customer. We are so grateful for the  
pleasure of serving you and hope we met your expectations"<<endl;
```

```
cout<< "\n\t\t ENJOY YOUR MEAL\t\t\n"<<endl;
```

```
cout<< "\n\t\t===== "<<endl;
```

```
write.close();
```

```
}
```

```
void show1()
```

```
{
```

```
food_menu();
```

```
food_menu2();
```

```
}
```


$$\};$$

```
class login :publicfood_list,public bill
```

{

public:

```
string z;
```

public:

```
void gin();
```

```
void registr();
```

```
void forgot();
```

```
void total()
```

{

```
string reguser,regpass,ru,rp;
```

```
int choice;
```

```
cout<<"\n\n\t\t\t\t\t===== "WELCOME TO THE HUNGRY  
FORK"===== "<<endl;
```

cout<<"\n\n\t\t""You will now begin to receive mouth-watering deals exclusively for you
from hungry fork""\t\n\n"<<endl;

```
cout<<"\t\t\t*****\n\n\n";
```

```
cout<<"\t\t\t\t\tWelcome to login page\t\t\t\t\t\n\n\n";
```

```
cout<<"\t\t*****\n\n\n";
```

```
cout<<"\t\t1.LOGIN"<<endl;
```

```
cout<<"\t\t2.SIGN IN"<<endl;
```

```
cout<<"\t\t3.FORGOT PASSWORD (or) USERNAME"<<endl;
```

```
cout<<"\t\t4.Exit"<<endl;
```

```
cout<<"\n\t\tEnter your choice :";
```

```
cin>>choice;
```

```
cout<<endl;
```

```
switch(choice)
```

 $\{$

case 1:

```
gin();
```

```
break;
```

case 2:

```
registr();
```

```
break;
```

case 3:

forgot();

```
break;
```

case 4:

cout<<"Thanks for visiting HUNGRY FORK :)";

exit(0);

break;

default:

system("cls");

cout<<"You've made a mistake , give it a try again\n"<<endl;

}

}

```
};
```

```
int main()
```

```
{
```

```
    login ob;
```

```
    ob.total();
```

```
    getch();
```

```
}
```

```
void login::gin()
{
    login ob;

    int count;

    string user,pass,u,p;

    system("cls");

    cout<<"\n\tPlease enter the following details\n"<<endl;

    again:

    cout<<"USERNAME :";

    cin>>user;

    cout<<"\nPASSWORD :";

    cin>>pass;


    ifstream input("database.txt");

    while(input>>u>>p)

    {

        if(u==user && p==pass)

        {

            count=1;

            system("cls");
```

```

}

}

input.close();

if(count==1)

{

cout<<"\n\t\t\t\tLOGIN SUCCESSFULL\n"<<endl;

cout<<"\n\tWELCOME"<<" "<<user<<". "<<"\n\tWe're glad that you're here.Thanks for
logging in.\n";

cout<<"\n\tPress any key to continue...\n";

cin.get();

cin.get();

show1();


}

else

{

cout<<"\n\t\t\t\tLOGIN ERROR\n\nPlease check your username and password\n";

goto again;


}

}

}

void login::registr()

{

```

```
login ob;
```

```
string reguser,regpass,ru,rp;
```

```
system("cls");
```

```
cout<<"\nEnter the username :";
```

```
cin>>reguser;
```

```
cout<<"\nEnter the password :";
```

```
cin>>regpass;
```

```
ofstream reg("database.txt",ios::app);
```

```
reg<<reguser<<' '<<regpass<<endl;
```

```
cout<<"\nRegistrationSucessful\n";
```

```
system("cls");
```

```
ob.total();
```

```
}
```

```
void login::forgot()
```

```
{
```

```
login ob;
```

```
int ch;

system("cls");

cout<<"Forgotten ? We're here for help\n";

reach:

cout<<"\t1.Search your id by username\n"<<endl;
cout<<"\t2.Search your id by password\n"<<endl;


cout<<"Enter your choice :";

cin>>ch;

switch(ch)

{

case 1:

{

int count=0;

string searchuser,su,sp;

cout<<"\n\tEnter your remembered username :";

cin>>searchuser;


ifstreamsearchu("database.txt");

while(searchu>>su>>sp)

{

if(su==searchuser)
```



```
{  
    count=1;  
}  
  
}  
  
searchu.close();  
  
if(count==1)  
{  
    cout<<"\n\nHurray, account found\n\n";  
    cout<<"\n\t\tYour password is "<<sp;  
    cin.get();  
    cin.get();  
    system("cls");  
    ob.total();  
    show1();  
}  
  
else  
{  
    cout<<"\n\nSorry, Your userID could not be found\n\n";  
    goto reach;  
    cout<<"\nPlease mail us at example@gmail.com for further details \n";  
    cin.get();  
    cin.get();  
    show1();  
}
```

```
}  
  
break;  
  
}  
  
case 2:  
  
{  
  
int count=0;  
  
string searchpass,su2,sp2;  
  
pass:  
  
cout<<"\nEnter the remembered password :";  
  
cin>>searchpass;  
  
  
  
ifstreamsearchp("database.txt");  
  
while(searchp>>su2>>sp2)  
  
{  
  
if(sp2==searchpass)  
  
{  
  
count=1;  
  
}  
  
}  
  
searchp.close();  
  
if(count==1)  
  
{  
  
cout<<"\nYour password is found\n";
```

```
cout<<"\nYour Id is : "<<su2;
```

```
cin.get();
```

```
cin.get();
```

```
system("cls");
```

```
ob.total();
```

```
}
```

```
else
```

```
{
```

```
cout<<"\n\nSorry, We cannot found your password\n\n";
```

```
goto pass;
```

```
cout<<"\n\nPlease mail us at example@gmail.com for further details \n\n";
```

```
cin.get();
```

```
cin.get();
```

```
}
```

```
break;
```

}

}

}

RESULT

SIGN-IN AND LOG-IN

```
=====WELCOME TO THE HUNGRY FORK=====

You will now begin to receive mouth-watering deals exclusively for you from hungry fork

*****

Welcome to login page

*****

1.LOGIN
2.SIGN IN
3.FORGOT PASSWORD (or) USERNAME
4.Exit

Enter your choice :2
```

```
Enter the username :Harry
Enter the password :1234
```

=====WELCOME TO THE HUNGRY FORK=====

You will now begin to receive mouth-watering deals exclusively for you from hungry fork

Welcome to login page

- 1.LOGIN
- 2.SIGN IN
- 3.FORGOT PASSWORD (or) USERNAME
- 4.Exit

Enter your choice :1

Please enter the following details

USERNAME :Harry

PASSWORD :1234

LOGIN SUCCESSFULL

WELCOME Harry.
We're glad that you're here.Thanks for logging in.

Press any key to continue...

== YOU CAN ORDER NOW ==

=====

***** MENU *****

1. Sandwiches	Rs 75
2. Veg Crispy Burger	Rs 100
3. Fries	Rs 75
4. Mango Shake	Rs 45
5. Vegetable Maggie	Rs 120
6. Veg Momos	Rs 90
7. Non Veg Momos	Rs 75
8. Chicken Burger	Rs 150
9. Cold coffee	Rs 90
10. Ice cream	Rs 50

=====

Enter your order: 10

Do you want to change your order? (y/n) :n

How many order? :3

You order ice cream. Sucessfully save order!

Do you want to order again? (yes/no) :no

THANK YOU COME AGAIN! GENERATING BILL

Press any key to continue . . .

```
=====
|           Food Ordering System           |
=====

Enter your name:Harry
Enter your address:abcd
Enter your phone:1111

Your name is: Harry
Your address is: abcd
Your phone is: 1111
          Bill No : 1000          Order : THF01


Total bill is : Rs150

Thank you for being our valued customer. We are so grateful for the pleasure of serving you and hope we met your expectations

ENJOY YOUR MEAL

=====
```

FORGOT PASSWORD OR USER NAME

```
=====WELCOME TO THE HUNGRY FORK=====

You will now begin to receive mouth-watering deals exclusively for you from hungry fork

*****

Welcome to login page

*****

1.LOGIN
2.SIGN IN
3.FORGOT PASSWORD (or) USERNAME
4.Exit

Enter your choice :2
```


Enter the username :Harry

Enter the password :1234

=====WELCOME TO THE HUNGRY FORK=====

You will now begin to receive mouth-watering deals exclusively for you from hungry fork

Welcome to login page

- 1.LOGIN
- 2.SIGN IN
- 3.FORGOT PASSWORD (or) USERNAME
- 4.Exit

Enter your choice :3

```
Forgotten ? We're here for help
  1.Search your id by username

  2.Search your id by password
Enter your choice :1

  Enter your remembered username :Harry

Hurray, account found

  Your password is 1234
```

```
=====WELCOME TO THE HUNGRY FORK=====

You will now begin to receive mouth-watering deals exclusively for you from hungry fork

*****

Welcome to login page

*****

1.LOGIN
2.SIGN IN
3.FORGOT PASSWORD (or) USERNAME
4.Exit

Enter your choice :3
```

```
Forgotten ? We're here for help
    1.Search your id by username

    2.Search your id by password

Enter your choice :2

Enter the remembered password :1234

Your password is found

Your Id is : Harry
```

EXIT

```
=====WELCOME TO THE HUNGRY FORK=====

You will now begin to receive mouth-watering deals exclusively for you from hungry fork

*****

Welcome to login page

*****

1.LOGIN
2.SIGN IN
3.FORGOT PASSWORD (or) USERNAME
4.Exit

Enter your choice :4

Thanks for visiting HUNGRY FORK :)
Process returned 0 (0x0)   execution time : 250.327 s
Press any key to continue.
```

CONCLUSION

An online food ordering system is developed where the customers can make an order for the food and avoid the hassles of waiting for the order to be taken by the waiter. Using the application, the end users register online, read the E-menu card and select the food from the e-menu card to order food online.

Therefore by using this application, the users can directly place the order for food to the chef online.

REFERENCES

[1] *GeeksforGeeks*

[2] <https://sites.google.com/site/ignoubcafinalyearprojects/project-íepoít/íestauíent-management-system-project-íepoít>

