Online Food Ordering

Computer Science

Investigatory Project

**CERTIFICATE**

**This is to certify that Parth Joshi of class XII-C , has successfully completed his project in computer science practical for the session 2018-2019.**

Teacher’s Signature

**ACKNOWLEDGEMENT**

**I thank my Computer Science teacher Mr. Mohan Singh for guidance and support. I would also like to thank my parents and my friends for encouraging me in completing the project work , in time. Finally I would like to thank my school’s Computer Science department for giving me this opportunity to undertake this project and take their useful suggestions for the betterment of the Project.**

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PURPOSE

With the technology evolving day by day – [online food ordering system](http://www.nibblematrix.com/complete-online-food-ordering-system/) has become a key part in the present food industry to endure the market competition and to serve your customers in a better way.

User friendly interface with a simple order flow makes the users more flexible to place online food orders either from website or mobile app.

Telephone orders can be avoided absolutely. With LESS manpower food ordering system makes the ordering process fully automated and avoids WRONG orders.

Sales have been increased (practically) through this online food ordering system. As you go online, you are allowing more people to reach your business leading to more sales.

**Requirements**

* software Required
* Operating system : Windows 7
* Turbo C++, for execution of program and
* Ms word, for presentation of output.

**HEADER FILES USED AND THEIR PURPOSE**

1. **FSTREAM.H** – for file handling, cin and cout
2. **CONIO.H** – for clrscr() and getch() functions
3. **STDIO.H** – for standard I/O operations
4. **STRING.H** – for string handling
5. **IOMANIP.H** – for defining the manipulator functions
6. **GRAPHICS.H** – for facilitating graphical operations in program
7. **STDLIB.H** – for including functions involving memory allocation, process control
8. **DOS.H** – for including functions for handling interrupts

CODING

#include<fstream.h>

#include<iomanip.h>

#include<graphics.h>

#include<stdlib.h>

#include<conio.h>

#include<stdio.h>

#include<string.h>

#include<dos.h>

void menu(char na[20],char co[]);

void bill(char na[],char co[]);

//char order[10][20];

int d=0,pr[10];

class orde

{ public:

char code[10];

char customername[20];

char item[20];

int price;

};

char north[20][20]={"Dal Fry ",

"Yellow Dal ",

"Karhi Pakora ",

"Chana Masala ",

"Rajma",

"Dal Makhani ",

"Mix Vegetable ",

"Palak Paneer ",

"Palak Kofta ",

"Matar Paneer ",

"Malai Kofta ",

"Shahi Paneer ",

"Mushroom Masala",

"Karahi Paneer ",

"Matar Mushroom ",

"Plain Roti ",

"Butter Roti ",

"Lachha Paratha ",

"Plain Naan ",

"Butter Naan ",

};

int nop[20]={150,140,180,170,200,180,160,180,170,180,160,170,200,160,160,20,30,40,40 ,

50 , };

char chinese[15][30]={"Cheese Manchurian",

"Veg Manchurian",

"Veg Noodles ",

"Spl Noodles",

"Veg Fried Rice",

"Honey Chilli Potatoes",

"Chilli Chaap",

"Chilli Mushroom" ,

"Veg Spring Roll",

"Veg Fried Momos",

"Veg Steam Momos",

"Paneer Fried Momos",

"Paneer Steam Momos",

"Chicken momos",

"Chicken roll",

} ;

int chp[15]={220,

180,

150,

180,

170,

180,

200,

190,

150,

140,

120,

160,

150,

180,

200,

};

char sweet[10][30]={"Choco Lava",

"Rabri Faluda",

"Spl Kesar Matka Kulfi",

"GulabJamun",

"Rasmalai",

"Bengali Rasgulla",

"Sweet Lassi",

"Chocolate Ice-cream",

"Vanilla Ice-cream",

"Sunday Ice-cream",

} ;

int swp[10]={120,

150,

80,

60,

120,

150,

50,

150,

120,

200,};

char beverages[15][20]={"Bislery Water",

"Coke",

"Pepsi",

"Fanta",

"Limca",

"Sprite",

"Masala tea",

"Coffee",

"Oreo Shake",

"Stawberry Shake",

"Chocolate Shake",

"Mango Shake",

"Mixed Fruit Juice",

"Pineapple Juice",

"Viegin Mojito",

} ;

int bep[15]={30, 50, 50, 50, 50,50,40,60,80, 70, 80, 60,50, 60,100,};

void bill(char n[20],char co[10])

{

cleardevice();

setbkcolor(BLACK);

setcolor(RED); orde o;

settextstyle(3,0,7);

outtextxy(150,20,"FOOD PANDA") ;

outtextxy(250,80,"BILL") ;

settextstyle(3,0,6);

setcolor(BLUE);

settextstyle(3,0,3);

outtextxy(50,160," Customer name");

outtextxy(250,160,n);

outtextxy(50,180," Bill code");

outtextxy(250,180,co);

// cout<<"\n\t Customer Name "<<n<<" Bill Code "<<co;

fstream iof;

iof.open("order.dat",ios::in|ios::app|ios::binary);

gotoxy(20,13);

cout<<"\n\n\t Particulars Price";

//outtextxy(80,220,"Particulars Price");

int sum=0;

while(iof.read((char\*)&o,sizeof(o)))

{

if(strcmp(o.code,co)==0)

{ // gotoxy(20,15);

cout<<"\n"<<setw(20)<<o.item<<setw(20)<<o.price;

// outtextxy(80,240,o.item);

// outtextxy(180,240,o.price);

sum=sum+o.price;

}

}

cout<<"\n\n\n\n\t\t Amount "<<sum;

getch();

// settextstyle(3,0,4);

// outtextxy(20,90,"INDIAN KITCHEN");

// getch();

}

char \*northmenu(char na[20],char co[])

{ int k=0;

fstream iof;

iof.open("order.dat",ios::in|ios::app|ios::binary);

orde o;

char c;

int s=0;

do

{

cleardevice();

setcolor(RED);

settextstyle(3,0,7);

settextstyle(3,0,4);

outtextxy(20,100,"NORTH INDIAN");

int x=2,y=10;

for(int i=0;i<20;i++)

{

gotoxy(x,y);

cout<<i+1<<"."<<north[i]<<" "<<nop[i];

y++;

if(y%10==0)

{

y=10;x=x+25;

}

}

int ch;

cout<<"\nEnter ur Choice";

cin>>ch;

for(i=0;i<22;i++)

{

if(i==ch)

{

cout<<"\n\n\t You have Selected ";

cout<<"\n\n\t"<<north[i-1]<<" "<<nop[i-1];

strcpy(o.item,north[i-1]);

strcpy(o.customername,na);

strcpy(o.code,co);

o.price=nop[i-1];

iof.write((char\*)&o,sizeof(o)); k++;

}

}

cout<<"\n\n\t\tDo u want to enter more";

cin>>c; }

while((c=='y')||(c=='Y'));

getch();

cleardevice();

return na; }

char \*chinesemenu(char na[20],char co[])

{ int k=0; fstream iof;

iof.open("order.dat",ios::in|ios::app|ios::binary);

orde o;

char c;

int s=0;

do{

cleardevice();

setcolor(RED);

settextstyle(3,0,7);

settextstyle(3,0,4);

outtextxy(20,100,"Chinese");

int x=2,y=10;

for(int i=0;i<15;i++)

{ gotoxy(x,y);

cout<<i+1<<"."<<chinese[i]<<" "<<chp[i];

y++;

if(y%10==0)

{y=10;x=x+25;} }

int ch;

gotoxy(20,19);

cout<<"\n\nEnter ur Choice";

cin>>ch;

for( i=0;i<20;i++)

{ if(i==ch)

{ cout<<"\n\n\t\t You have Selected ";

cout<<"\n\n\n\t"<<chinese[i-1]<<" "<<chp[i-1];

strcpy(o.item,chinese[i-1]);

strcpy(o.customername,na);

o.price=chp[i-1];

strcpy(o.code,co);

k++;iof.write((char\*)&o,sizeof(o));

}

}

cout<<"\n\n\t\tDo u want to enter more";

cin>>c; }

while((c=='y')||(c=='Y'));

getch();

cleardevice();

return na;

}

char \*sweetmenu(char na[20],char co[])

{ fstream iof; int k=0;

iof.open("order.dat",ios::in|ios::app|ios::binary);

orde o;

char c;

int s=0;

do{

cleardevice();

setcolor(RED);

settextstyle(3,0,7);

settextstyle(3,0,4);

outtextxy(20,100,"Sweet Dish");

int x=2,y=10;

for(int i=0;i<10;i++)

{ gotoxy(x,y);

cout<<i+1<<"."<<sweet[i]<<" "<<swp[i];

y++;

if(y%10==0)

{y=10;x=x+25;}

}

int ch;

cout<<"\n\nEnter ur Choice";

cin>>ch;

for( i=0;i<20;i++)

{ if(i==ch)

{ cout<<"\n\n\t\t You have Selected ";

cout<<"\n\n\n\t"<<sweet[i-1]<<" "<<swp[i-1];

strcpy(o.item,sweet[i-1]);

strcpy(o.customername,na);

o.price=swp[i-1];

strcpy(o.code,co);

iof.write((char\*)&o,sizeof(o)); k++;

}

}

cout<<"\n\n\t\tDo u want to enter more";

cin>>c; }

while((c=='y')||(c=='Y'));

getch();

cleardevice();

}

char \*beveragesmenu(char na[20],char co[])

{ fstream iof;

iof.open("order.dat",ios::in|ios::app|ios::binary);

orde o;int k=0;

char c;

int s=0;

do{

cleardevice();

setcolor(RED);

settextstyle(3,0,7);

settextstyle(3,0,4);

outtextxy(20,100,"Beverages");

int x=2,y=10;

for(int i=0;i<15;i++)

{ gotoxy(x,y);

cout<<i+1<<"."<<beverages[i]<<" "<<bep[i];

y++;

if(y%10==0)

{y=10;x=x+25;} }

int ch;

gotoxy(20,19);

cout<<"\n\nEnter ur Choice";

cin>>ch;

for( i=0;i<20;i++)

{ if(i==ch)

{ cout<<"\n\n\t\t You have Selected ";

cout<<"\n\n\n\t"<<beverages[i-1]<<" "<<bep[i-1];

strcpy(o.item,beverages[i-1]);

strcpy(o.customername,na);

o.price=bep[i-1];

strcpy(o.code,co);

iof.write((char\*)&o,sizeof(o)); k++;

}

}

cout<<"\n\n\t\tDo u want to enter more";

cin>>c; }

while((c=='y')||(c=='Y'));

getch();

cleardevice();

return na;

}

void abc()

{ //exit(0);

cleardevice();

getch();

}

void main()

{

int gdriver = DETECT, gmode, errorcode;

initgraph(&gdriver, &gmode, "c:\\turboc3\\bgi");

setbkcolor(BLACK); int x,y,i;

x=getmaxx()/3.5;

y=getmaxy()/3.5;

for( i=40;i<200;i++)

{

delay(10);

setcolor(i/10);

arc(x,y,0,360,i-10);

}

x=getmaxx()/1.1;

y=getmaxy()/1.1;

for( i=40;i<120;i++)

{

delay(10);

setcolor(i/10);

arc(x,y,0,360,i-10);

}

setcolor(BLUE);

setcolor(WHITE);

settextstyle(1,0,7);

outtextxy(40,340,"FOOD PANDA");

delay(20);

getch();

char na[15];

char phno[12];

char restaurant[20];

char address[20],co[10];

cleardevice();

setbkcolor(BLUE);

setcolor(WHITE);

settextstyle(1,0,7);

for( i=0;i<300;i++)

{ cleardevice();

outtextxy(i+150,50,"FOOD PANDA"); delay(5);

if (i==299)

{cleardevice(); outtextxy(150,50,"FOOD PANDA");} }

setcolor(WHITE);

settextstyle(3,0,2);

rectangle(10,30,580,120);

rectangle(18,200,600,450);

outtextxy(20,200,"ENTER YOUR NAME:");

gotoxy(28,14);

gets(na);

outtextxy(20,230,"ENTER YOUR PHONE NUMBER:");

gotoxy(40,16);

cin>>phno;

check:

outtextxy(20,260,"ENTER CODE:");

gotoxy(46,18);

cin>>co; orde o;

fstream iof;

iof.open("order.dat",ios::in|ios::app|ios::binary);

while(!iof.eof())

{

iof.read((char\*)&o,sizeof(o));

if(strcmp(o.code,co)==0)

{

cout<<"\n code already exist";

goto check;

}}

outtextxy(20,290,"DELIVERY LOCATION:");

gotoxy(30,20);

cin>>address;

getch();

char username[20];

char password[15];

cleardevice();

setbkcolor(RED);

setcolor(WHITE);

settextstyle(3,0,4);

outtextxy(236,10,"LOG IN...");

outtextxy(175,110,"USERNAME:");

rectangle(400,110,600,150);

gotoxy(55,9);

gets(username);

outtextxy(185,190,"PASSWORD:");

rectangle(400,200,600,240);

gotoxy(55,15);

cin>>password;

getch();

cleardevice();

setbkcolor(GREEN);

setcolor(1);

x=getmaxx()/3.5;

y=getmaxy()/3.5;

for( i=40;i<135;i++)

{

delay(10);

setcolor(i/1);

arc(x,y,0,180,i-1);

}

x=getmaxx()/1.1;

y=getmaxy()/1.1;

for( i=40;i<0;i++)

{

delay(10);

setcolor(i/1);

arc(x,2,0,180,i-1);

}

// outtextxy(20,310,"DESSERTS");

// outtextxy(20,340,"BEVERAGES");

getch();

int ch;

do{

setcolor(RED); char c[20];

settextstyle(3,0,7);

outtextxy(20,130,"TYPES OF FOOD");

settextstyle(3,0,4);

outtextxy(20,220,"1.NORTH INDIAN");

outtextxy(20,250,"2.CHINESE");

outtextxy(20,280,"3.SWEET DISH");

outtextxy(20,310,"4.BEVERAGES");

outtextxy(540,440,"5.BILL");

rectangle(350,360,450,394);

outtextxy(20,360,"ENTER YOUR CHOICE");

gotoxy(47,24);

cin>>ch;

switch(ch)

{

case 1:

strcpy(c,northmenu(na,co));break;

case 2:

strcpy(c,chinesemenu(na,co));break;

case 3:

strcpy(c,sweetmenu(na,co));break;

case 4:

strcpy(c,beveragesmenu(na,co));break;

case 5:

bill(c,co);break;

}

}

while(ch!=5);

}

OUTPUT

BIBLIOGRAPHY

Sumita Arora – Computer Science with C++

# Computer Science with C++ - by [Preeti Arora](https://www.amazon.in/s/ref=dp_byline_sr_book_1?ie=UTF8&field-author=Preeti+Arora&search-alias=stripbooks) , [Pinky Gupta](https://www.amazon.in/s/ref=dp_byline_sr_book_2?ie=UTF8&field-author=Pinky+Gupta&search-alias=stripbooks)