BGS NATIONAL PUBLIC SCHOOL

**COMPUTER SCIENCE INVESTIGATORY PROJECT
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ONLINE FOOD SERVICES MANAGEMENT SOFTWARE

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CLASS: XII

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CERTIFICATE

This is to certify that Abijith Trichur Ramachandran of class XII of BGS National Public School has successfully completed the Investigatory Project in Computer Science for ALL INDIA SENIOR SECONDARY CERTIFICATE EXAMINATION (AISSCE) prescribed by CBSE in the year 2016-2017

Date: Exam roll no. 4622808

Signature of Principal

Signature of External   Signature of Internal

      Examiner   Examiner

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The success of a project depends upon the persistent effort of an individual pursuing it and sustained support from a critical few who are equally responsible and who deserve credit for precious appreciation of such endeavors.

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I would also like to extend my sincere thanks to our computer teacher, **Mrs.Babitha Mathews** for helping me with this project and guiding me throughout.

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CONTENTS

<u>INTRODUCTION</u>

This is a C++ program that aims at creating a computerized system for online ordering of delicious foods. It has an admin and a customer panel. The admin is responsible for adding, deleting, modifying and managing the restaurants and the menu provided by them.

The user can login with an existing account or create a new account to order from the various food items that the restaurants have to offer. He can view his cart and also manage the account settings like name, address, contact no., etc.

The name of this online food store is 'Dealer Foods.'

PROJECT SELECTION

'Eat to live, don't live to eat,' they said. But with so many delicious food around us its hard to travel different places for it.

Due to the increasing number of people visting many restaurants it isn't always hassle free and is tiresome. During special occasions, we have to wait in huge queue, which not only is a waste of time but is also irksome.

We have come up with an effective method of providing food services which is easy to use and is hassle free as we know the true meaning of hunger and also making sure that your order is received within exactly 30 minutes of placement of your order.

WORKING ENVIRONMENT

- <u>Optimum Requirements</u>

RAM Size	Hard Drive Space	OS Required	Min. Processor Type
5 Mb	1 GB	Windows 7	Intel i6

- An operating system: 32 bit or 16 bit. Turbo C++ or equivalent complier.

Header Files

HEADER FILE	FUNCTIONS /PURPOSE
#include<iostream.h>	Required for any program
#include<conio.h>	gotoxy();clrscr();getch();
#include<stdio.h>	gets();
#include<fstream.h>	Opening ,Closing and Manipulation of Files and its data.
#include<dos.h>	delay();
#include<string.h>	strcmp();strcpy();strlen();
#include<process.h>	exit();
#include<iomanip.h>	setw();
#include<stdlib.h>	randomize();
#include<time.h>	_strdate(); _strtime()
#include<graphics.h>	For the graphical outputs in the program

Data Dictionary

1. Class: RESTAURANT

Data Members: Data Members are private and the member functions are in public

S.NO	NAME	DATA TYPE	DESCRIPTION
1.	Id	Int	Food id
2.	Qty	Int	Amount of food items selected
3.	slno	Char	Sl no. of the restaurant
4.	Rest Name	Char	For restaurant name
5.	Cui	Char	For cuisine type
6.	Loc	Char	Location of restaurant
7.	item	Char	Food item
8.	price	Float	Price of food items

2. Class: Customer

Data Members: Data Members are private and the member functions are in public

S.NO	NAME	DATA TYPE	DESCRIPTION
1.	Name	Char	Customer name
2.	Add	Char	Address of the customer
3.	Phone	Char	For contact details of the customer
4.	Username	Char	Username for customer account
5.	Password	Char	Password for the customer account

- Functions used in classes:

CLASS NAME	FUNCTION NAME	PURPOSE
RESTAURANT	ret_rest()	Returns the serial number of restaurant.
	ret_id()	Returns the ID of the food item selected.
	input()	
	enter_food()	To add food in the restaurant.
	del_food(*)	To delete food items(Admin->Manage)
	show_food(*)	To display the food items available to customer
	mod_food()	To modify the food options for customer.
	output()	To display the options for customer
	ouput_cusine(char)	Shows the number of cuisines with specific cuisines.

RESTAURANT	mod_rest()	To modify the restaurants
	del()	To delete the restaurants
	enter_cart(char sl)	Option given to buy food item
	display_cart()	To display the purchase details and bill.
	del_cart()	To delete items from cart

CUSTOMER	insert()	Creates account for customer.
	check()	To check if username exists
	del()	To let the customer delete his account
	mod()	To let the customer modify his account
	display(int)	To display user's account.

2.Global Functions –

FUNCTION NAME	PURPOSE
CHECK_REST(CHAR*)	To check the whether the serial no. of the restaurant is unique.
CHECK_FOOD(INT,CHAR*)	To check whether the ID of the food is unique or not.
TITLE(INT)	To display "FOOD COLONY" and its associated decorations.
LOAD()	To display the loading bar.
DESCRIP()	Used in introduction page
ADMIN_LOGIN()	For logging into admin account
CHOICE()	To display main menu.
ORDER()	To order food from restaurant.
ADMIN()	To display the associated functions of Admin
MAIN_LOGIN()	Displays the main login screen
PAYMENT()	Displays the payment method and its corresponding functions.
STARS()	Displays the stars.
GRAPHICS()	Displays the animation.

Source code

```
#include<iostream.h>
#include<conio.h>
#include<stdio.h>
#include<fstream.h>
#include<dos.h>              //For delay func
#include<string.h>
#include<process.h>         //For exit function
#include<iomanip.h>          //Setwidth
#include<stdlib.h>          //For randomize function for bill and graphics
#include<time.h>            //retrieve current date and time
#include<graphics.h>         //Intro page


int list=0,food,Bill;
float total=0;
char name[50],add[100],phone[20],username[20],password[20],formal[50];
char d1=186,d2=201,d3=205,d4=187,d6=188,d7=200,d8=204,d9=185;        //Global variables

class Restaurant               //MAIN CLASS 1
{
 int id,qty;
 char slno[20],RestName[50],cui[30],loc[50],item[50];
 float price;

 public:

 char* ret_rest()  //* returns a string
 {
 return(slno);
 }

 int ret_id()     //Returns the food id
 {
 return(id);
 }

 void input()
 {
  int opt,chk;         //Under admin->Add a restaurant(open)
  loop:
```

```
Restaurant rest;
cout<<"\nEnter The Details Of The Restaurant:\n";
output();
cout<<"\n\nEnter the serial number: ";
gets(rest.slno);

chk=check_rest(rest.slno);

if(chk==0)
{
cout<<"\nThis serial number already exists.";
getch();
clrscr();
title(1);
rest.output();
goto loop;
}      //-------------------------------------------------------

cout<<"Enter the name of the restaurant: ";
gets(rest.RestName);
cout<<"Enter the option of the cuisine which the restaurant belongs to: \n1.Indian \t2.Italian
\t3.Chinese \t4.Mexican\t5.Fastfoods \n";
cout<<"Your Option: ";
cin>>opt;

cus:

if(opt==1)                //To select the type of cuisine(In admin->ADD)
strcpy(rest.cui,"Indian");
if(opt==2)
strcpy(rest.cui,"Italian");
if(opt==3)
strcpy(rest.cui,"Chinese");
if(opt==4)
strcpy(rest.cui,"Mexican");
if(opt==5)
strcpy(rest.cui,"Fastfoods");

if(opt>=6&&opt<=0)
{
cout<<"The option doesnt exist please enter one of the existing options.";
goto cus;
}


cout<<"Enter the location at which the restaurant is present at: ";
```

```
    gets(rest.loc);
    list++;

    ofstream fout("List.txt",ios::app|ios::binary);
    fout.write((char*)&rest,sizeof(rest));
    fout.close();

                              //Final close of "Add" in Admin
  }
 //---------------------------------------------------------------------------
 int enter_food()   //Adding of food in the restraunt(Admin->Manage)
 {
  int e=0;
  food=0;
  char ch;
  char s[10];

  cout<<"\nEnter the serial number of the restaurant which the food belongs to: \n";          //-
>Admin->Manage->add
  gets(s);

  ifstream chk("List.txt",ios::in|ios::binary);
  while(chk.read((char*)&rest,sizeof(rest)))
   {
    if(strcmp(rest.slno,s)==0)
    e++;
   }
  chk.close();

  if(e==0)
   {
    cout<<"\nThe serial number which you entered does not exist.";          //To check if the
given restraunt ID is valid
    getch();
    return(0);
   }

   loop:

   clrscr();
   title(1);

   rest.show_food(s);

   id=0;
   cout<<endl<<endl;
```

```
        cout<<"Enter the ID of food item: ";                      //->admin->manage->add food
        cin>>id;

        id=check_food(id,s);

        if(id==0)
        {
         cout<<endl<<"The ID number exist.";
         getch();
         goto loop;
        }

        cout<<"Enter the name of the food: ";
        gets(rest.item);
         cout<<"Enter the price: ";
        cin>>price;

        strcpy(rest.slno,s);

        ofstream fout("food.txt",ios::app|ios::binary);
        fout.write((char*)&rest,sizeof(rest));
        fout.close();

        clrscr();
        title(1);
        rest.show_food(s);
        cout<<endl<<"\nDo you want to enter more items? (Y(y)/N(n))\n";
        cin>>ch;

        if(ch=='Y'||ch=='y')          //under Admin->Add food(MAnage)(to add items)
        goto loop;

        }           //final close of Add food inside Admin

         //-------------------------------------------------------
        void del_food(char* s)        //Delete food item(Admin->MAnage)
        {
        int e=0,id;
        food=0;
        char ch;

        loop:
        show_food(s);

        if (food>0)
        {
```

```
     cout<<endl<<endl<<"Enter the ID of the food which you want to delete: ";        //->Admin-
>Manage
    cin>>id;

    ifstream chk("food.txt",ios::in|ios::binary);
    while(chk.read((char*)&rest,sizeof(rest)))
    {
     if(rest.id==id)
     e++;
    }
    chk.close();

    if(e>0)
    {
     ofstream fout("temp.txt",ios::out|ios::binary);
     ifstream fin3("food.txt",ios::in|ios::binary);
     while(fin3.read((char*)&rest,sizeof(rest)))
     {
      if(rest.id!=id && strcmp(rest.slno,s)==0)
      fout.write((char*)&rest,sizeof(rest));

      if((strcmp(rest.slno,s)!=0))
      fout.write((char*)&rest,sizeof(rest));
     }
     fout.close();
     fin3.close();
     remove("food.txt");        //To delete specific food items from list
     rename("temp.txt","food.txt");
     food--;

     clrscr();
     title(1);
     rest.show_food(s);

     cout<<"Do you want to delete any more food items? (Y(y)/N(n))\n";
     cin>>ch;

     if(ch=='Y'||ch=='y')
     goto loop;
    }

    else
    {
     cout<<"The food ID which you want to delete does not exist."; //Verifying whether the food
itme to be deleted exists or not
     getch();
```

```
   goto loop;
  }
 }

  else
  cout<<"The list is empty.";

 }                    //Close

 //----------------------------------------------------------------------
 int show_food(char* s)                    //admin->manage->display
 {
 loop:          //to display the food items contained in  the restraunt
 clrscr();
 title(1);

 char ch,ch1=179,ch2=196;
 int chk=0;
 clrscr();
 title(1);
 cout<<endl<<endl;
 ifstream fin2("list.txt",ios::in|ios::binary);
 while(fin2.read((char*)&rest,sizeof(rest)))
 {
 if(strcmp(rest.slno,s)==0)
  { cout<<"Restaurant Name: ";
   cout<<rest.RestName;
   chk++;
   break;
  }
 }
 fin2.clear();
 fin2.close();

 if(chk==0)
 {
 cout<<"\nThe serial number doesnt exist.";
 getch();
 return(0);
 }

 cout<<endl;

 for(int i=0;i<80;i++)
 cout<<ch2;
 cout<<ch1;
```

```
gotoxy(4,10);
cout<<" ID"; //Creating a table using co-ordinates to display the items
gotoxy(33,10);
cout<<"Item Name";
gotoxy(70,10);
cout<<"Rate";

gotoxy(80,10);
cout<<ch1;
for(i=0;i<80;i++)
cout<<ch2;

ifstream fin("food.txt",ios::in|ios::binary);
fin.clear();

i=12;
while(fin.read((char*)&rest,sizeof(rest)))
{
 if(strcmp(rest.slno,s)==0)
 {
  gotoxy(1,i);
  cout<<ch1;
  gotoxy(80,i);
  cout<<ch1;
  gotoxy(5,i);
  cout<<rest.id<<".";
  gotoxy(33,i);
  cout<<rest.item;
  gotoxy(70,i);
  cout<<rest.price;
  food++;
  i++;
  cout<<endl;
 }
}

if(food==0)
cout<<"\n\t        The list of food items is empty.\n";

for(i=0;i<80;i++)
cout<<ch2;

fin.close();
getch();
```

```
    }                //final close(of display<-admin)
//_____

  int mod_food()                 //->admin->manage->modify
  {
  char s[20],chk;
  int m,opt=0;

  loop:
  rest.output();

  cout<<"Enter the serial number of the restaurant of which you want to modify its food\nitems:
";
  gets(s);

  ifstream fin("List.txt",ios::in|ios::binary);
  while(fin.read((char*)&rest,sizeof(rest)))
  {
  if(strcmp(s,rest.slno)==0)
  opt++;
  }

  if(opt==0)
  {
  cout<<"\nThe serial number which you entered does not exist. ";
  getch();
  clrscr();
  title(1);
  goto loop;
  }

  loop2:

  rest.show_food(s);
  cout<<endl<<endl;

  cout<<endl<<"Enter the id of the food item which you want to modify: \n";
  cin>>m;

  opt=0;

  ifstream fin2("food.txt",ios::in|ios::binary);
  while(fin2.read((char*)&rest,sizeof(rest)))
  {
  if(m==rest.id)
  opt++;
```

```
    }
    fin2.close();

    if(opt==0)
    {
     cout<<"The ID which you entered doesnt exist.";
     getch();
     clrscr();
     title(1);
     goto loop2;
    }

    clrscr();
    title(1);

    rest.show_food(s);

    fstream fout("food.txt",ios::out|ios::in|ios::binary);
    while(fout.read((char*)&rest,sizeof(rest)))
    {
     if(strcmp(s,rest.slno)==0 && m==rest.id)
     {
      cout<<endl;
      cout<<"Enter the ID of food item: ";
      cin>>rest.id;
      cout<<"Enter the name of the food: ";
      gets(rest.item);
      cout<<"Enter the price: ";
      cin>>rest.price;
      fout.seekp(fout.tellg()-sizeof(rest));
      fout.write((char*)&rest,sizeof(rest));
     }
    }

    clrscr();
    title(1);
    rest.show_food(s);
    cout<<endl;
    cout<<"\nDo you want to modify any more items: (Y(y)/N(n))\n";
    cout<<"Enter your choice: ";
    cin>>chk;

    if(chk=='Y'||chk=='y')
    {
     goto loop2;
     clrscr();
```

```
      title(1);
      }

   else if(chk=='N'||chk=='n')
   {
    clrscr();
    title(1);
    rest.output();
    cout<<"Do you want to modify any restaurants. (Y(y)/ N(n))\n";
    cout<<"Enter your choice: ";
    cin>>chk;
    if(chk=='Y'||chk=='y')
    return(1);
    else
    return(0);
   }
   }         //final close (modify<-manage<-admin)
//_____


   void output()  //Display the data(ADMIN->Display)
   {
    cout<<endl;
    char ch1=179,ch2=196;
    clrscr();
    title(1);
    cout<<endl;

    if(list==0)
    {
    cout<<setw(55)<<"The restaurant list is empty.";
    getch();
    }
    else
    {
    for(int i=0;i<80;i++)
    cout<<ch2;
    cout<<ch1<<" Sl.no \tRestaurant Name\t\tLocation\t    Cuisine\t      "<<ch1;
    for(i=0;i<80;i++)
    cout<<ch2;
    fstream fin("List.txt",ios::in|ios::binary);
    i=10;
    while(fin.read((char*)&rest,sizeof(rest)))
    {                    //Coordinates to make table to display
     gotoxy(1,i);
     cout<<ch1;
```

```
          gotoxy(80,i);
          cout<<ch1;
          gotoxy(4,i);
          cout<<rest.slno<<".";
          gotoxy(19,i);
          cout<<rest.RestName;
          gotoxy(41,i);
          cout<<rest.loc;
          gotoxy(62,i);
          cout<<rest.cui<<endl;
          i++;
         }
         for(i=0;i<80;i++)
         cout<<ch2;
         getch();
         fin.close();
        }
       }
          //_____

      void output_cuisine(char str[])/*shows the no of restaurants with a
                              specific cuisine i.e under one cuisine how
                               many restaurants are registered*/


      { //Login as existing cust->order your food->Choose cuisine

       int chk=0;
       char ch2=196,ch1=179;

       loop:
       clrscr();
       title(1);
       char opt[10];
       cout<<endl<<str<<" Restaurants in "<<str<<" cuisine:"<<endl<<endl;

       for(int i=0;i<80;i++)
        cout<<ch2;
        cout<<ch1<<" Sl.no \t\t   Restaurant Name\t\t    Location          "<<ch1;
        for(i=0;i<80;i++)
        cout<<ch2;

        i=12;

       ifstream fin("List.txt",ios::in|ios::binary);
       while(fin.read((char*)&rest,sizeof(rest)))
```

```
      {
       if(strcmp(str,rest.cui)==0)
        {
        gotoxy(1,i);
        cout<<ch1;    //table for displaying the restaurant name
        gotoxy(80,i);
        cout<<ch1;
        gotoxy(4,i);
        cout<<rest.slno<<".";
        gotoxy(30,i);
        cout<<rest.RestName;
        gotoxy(63,i);
        cout<<rest.loc;
        i++;
        }
       }
      cout<<endl;

      for(i=0;i<80;i++)
      cout<<ch2;

      fin.close();

      cout<<"\n0.Back\n\n";

      }     //close of (order your food)
      //_____

      int mod_rest()  //admin->modify the restaurant
      {
       int x=0,pos,opt,chk=0;
       char m[10],ch;

       loop:
       rest.output();
       cout<<endl<<endl;
       cout<<"Enter the serial number of the restaurant which you want to modify: ";
       gets(m);

       ifstream fin("List.txt",ios::in|ios::binary);
       while(fin.read((char*)&rest,sizeof(rest)))
       {
        if(strcmp(m,rest.slno)==0)
        chk++;
       }
       fin.close();
```

```
if(chk==0)
{
cout<<endl<<"The serial number which you entered doesnt exist.";
getch();
clrscr();
title(1);
goto loop;
}

clrscr();
title(1);
rest.output();
cout<<endl<<"Enter the details of the restaurant: ";
fstream fout("List.txt",ios::out|ios::in|ios::binary);
while(fout.read((char*)&rest,sizeof(rest)))
{
if(strcmp(m,rest.slno)==0)
{
x++;
cout<<"\n\nEnter the serial number: ";
gets(rest.slno);
cout<<"Enter the name of the restaurant: ";
gets(rest.RestName);

cout<<"Enter the option of the cuisine which the restaurant belongs to: \n1.Indian \n2.Italian
\n3.Chinese \n4.Mexican\n5.Fastfoods \n";
cout<<"Your Option: ";
cin>>opt;

if(opt==1)
strcpy(rest.cui,"Indian");
if(opt==2)
strcpy(rest.cui,"Italian");
if(opt==3)
strcpy(rest.cui,"Chinese");
if(opt==4)
strcpy(rest.cui,"Mexican");
if(opt==5)
strcpy(rest.cui,"Fastfoods");
cout<<"Enter the location at which the restaurant is present at: ";
gets(rest.loc);

fout.seekp(fout.tellg()-sizeof(rest));
fout.write((char*)&rest,sizeof(rest));
```

```
        }
        }

      if(x==0)
      {
       cout<<"The serial number does not exist. ";
       getch();
      }
      else
      {
       clrscr();
       title(1);
       rest.output();
       cout<<endl<<"Do you want to modify any more restaurants? (Y(y)/N(n))\n";
       cin>>ch;
       if(ch=='Y'||ch=='y')
       return(1);
      }

       fout.close();         //close of (modify  restaurant<-admin)
      }
    //_____

     int del()           //Admin->Delete(To delete the restaurants)
     {
      int e=0;
      char rem[10];

      rest.output();
      cout<<"\nEnter the serial number of the restaurant you want to delete: \n";
      cout<<"\nYour choice: ";
      gets(rem);

      ifstream check("List.txt",ios::in|ios::binary);
      while(check.read((char*)&rest,sizeof(rest)))
      {
       if(strcmp(rem,rest.slno)==0)
       e++;
      }

      if(e>0)
      {
       ifstream dat("List.txt",ios::in|ios::binary);
       ofstream dat1("list_dub.txt",ios::out|ios::binary);
       ofstream dat3("food_dub.txt",ios::out|ios::binary);
       while(dat.read((char*)&rest,sizeof(rest)))
```

```
 {
 if(strcmp(rem,rest.slno)!=0)
  {
  dat1.write((char*)&rest,sizeof(rest));
  dat3.write((char*)&rest,sizeof(rest));
  }
 }

 dat.close();
 dat1.close();
 dat3.close();
 remove("List.txt");
 rename("list_dub.txt","List.txt");
 remove("food.txt");
 rename("food_dub.txt","food.txt");
 list--;
 }

 else
 {
 cout<<"The serial number does not exit.";
 getch();
 return(0);
 } //Final close of (delete<-Admin )
 }
//_____

 int enter_cart(char sl[])
 {                    //Login as cust->order your food->Enter cuisine..
 int id,qty,chk=0;
 char ch[20];
 cout<<"\n0. Back"<<endl<<endl;
 cout<<"Enter the id of the food which you want to buy: ";
 cin>>id;

 if(id==0)
 return(0);

 ifstream fin2("food.txt",ios::in|ios::binary);
 while(fin2.read((char*)&rest,sizeof(rest)))
 {
 if(id==rest.id)
 chk++;
 }
 fin2.close();
```

```cpp
if(chk==0)
{
cout<<"\nThe ID which you entered does not exist.";
getch();
return(1);
}

ifstream fin4("list.txt",ios::in|ios::binary);
while(fin4.read((char*)&rest,sizeof(rest)))
{
if(strcmp(sl,rest.slno)==0)
strcpy(ch,rest.RestName);
}
fin4.close();

cout<<"Enter the quantity: ";
cin>>qty;

/////////////////////////////

chk=0;

ifstream fin3("bill.txt",ios::in|ios::binary);
while(fin3.read((char*)&rest,sizeof(rest)))
{
if(id==rest.id && strcmp(rest.slno,sl)==0)
chk++;
}
fin3.close();

if(chk==0)
{ofstream fout("bill.txt",ios::app|ios::binary);
ifstream fin("food.txt",ios::in|ios::binary);
while(fin.read((char*)&rest,sizeof(rest)))
{
if(id==rest.id && strcmp(rest.slno,sl)==0)
{
rest.qty=qty;
strcpy(rest.RestName,ch);
fout.write((char*)&rest,sizeof(rest));
chk++;
}
}
fout.close();
}
```

```
else if(chk>0)
{fstream update("Bill.txt",ios::in|ios::out|ios::binary);
while(update.read((char*)&rest,sizeof(rest)))
{
 if(id==rest.id && strcmp(rest.slno,sl)==0)
 {
  rest.qty=rest.qty+qty;
  cout<<endl<<rest.qty;
  getch();
  strcpy(rest.RestName,ch);
  update.seekg(update.tellg()-sizeof(rest));
  update.write((char*)&rest,sizeof(rest));
 }
 }
 update.close();
 }

 } //close
//_____

 void display_cart() //login as cust->display your cart(to display bill details)
//Under order food-->Display the items
 {
 Restaurant temp;
 char ch2=196,ch1=179;

 ::total=0;
 char ch[10]="A",date[20],time[20]; //declared date and time  for use in _strdate/_strtime
 int i=0,k=17;

 for(i=0;i<80;i++)
 cout<<ch2;

 cout<<endl;

 gotoxy(4,9);
 cout<<"Bill Number: "<<Bill;
 _strdate(date);  //function to display date
 _strtime(time);  //function to display time
 gotoxy(24,9);
 cout<<"|";
 gotoxy(33,9);         //creates table to display Bill no,Time,DAte
 cout<<"Time: "<<time;
 gotoxy(53,9);
 cout<<"|";
 gotoxy(62,9);
```

```
    cout<<"Date: "<<date;

    cout<<endl;

    for(i=0;i<80;i++)
    cout<<ch2;

    cout<<endl;

    ifstream fin1("bill.txt",ios::in|ios::binary);
    ofstream fout("temp_bill.txt",ios::out|ios::binary);
    while(fin1.read((char*)&rest,sizeof(rest)))
    {
     fout.write((char*)&rest,sizeof(rest));
    }
    cout<<endl;
    fin1.close();
    fout.close();


    ifstream fin2("bill.txt",ios::in|ios::binary);
    Restaurant rest1,rest2;
    while(fin2.read((char*)&rest1,sizeof(rest1)))
    {

     if(strcmp(ch,rest1.slno)!=0)
     {
      cout<<rest1.slno<<". "<<rest1.RestName<<endl;
      strcpy(ch,rest1.slno);

      gotoxy(0,9);
      for(i=0;i<80;i++)     //creates table AND display the headings
      cout<<ch2;
      cout<<ch1<<" ID No."<<setw(25)<<"Item
    Name"<<setw(23)<<"Quantity"<<setw(19)<<"Rate"<<"     "<<ch1;
      for(i=0;i<80;i++)
      cout<<ch2;

      ifstream fin3("temp_bill.txt",ios::in|ios::binary);
      while(fin3.read((char*)&rest2,sizeof(rest2)))
      {
       if(strcmp(ch,rest2.slno)==0)
       {
        gotoxy(0,k);
        cout<<ch1;              //creates a table and displays the purchase details(item name and no)
        gotoxy(5,k);
```

```
          cout<<rest2.id;
          gotoxy(25,k);
          cout<<rest2.item;
          gotoxy(51,k);
          cout<<rest2.qty;
          gotoxy(73,k);
          cout<<rest2.price;
          gotoxy(80,k);
          cout<<ch1;

          k++;
          ::total=::total+(rest2.price*rest2.qty);
          delay(1000);
         }
        }
     for(i=0;i<80;i++)
      cout<<ch2;
      fin3.close();
    }
   }

    fin2.close();

    cout<<"\nTotal Price: "<<::total;

   }//close of  display cart
   //_____

    int del_cart()        //login as customer->display your cart->(do u want to delete any items)
    {               //To delete the items from the cart
     char ch,sl[10];
     int id,qty;
     display_cart();
     cout<<endl;
     cout<<"Are you sure you want to delete one of the food item? (Y(y)/N(n))\n";
     cin>>ch;

     if(ch=='Y'||ch=='y')
     {
      clrscr();
      title(1);
      display_cart();
      cout<<endl<<"Enter the restaurant which the food belongs to: ";
      gets(sl);
      cout<<"Enter the Sl. No. of the food: ";
      cin>>id;
```

```cpp
   ofstream fout("temp.txt",ios::out|ios::binary);
   ifstream fin("bill.txt",ios::in|ios::binary);
   while(fin.read((char*)&rest,sizeof(rest)))
   {
    if(strcmp(sl,rest.slno)!=0 && id!=rest.id)
    fout.write((char*)&rest,sizeof(rest));
   }
   fin.close();
   fout.close();
   remove("bill.txt");
   rename("temp.txt","bill.txt");
   }

   else
   return(0);
   }

}rest; //close  of class

//_____


int check_rest(char* a)//checks uniqueness for restaurant(sl no.)
{
 ifstream fin("List.txt",ios::in|ios::binary);
 while(fin.read((char*)&rest,sizeof(rest)))
 {
 if(strcmp(a,rest.ret_rest())==0)
 return(0);
 }
 fin.close();
 return(1);
}
//_____
int check_food(int a,char ch[])//checks uniqueness for food item
{
 ifstream fin("food.txt",ios::in|ios::binary);
 while(fin.read((char*)&rest,sizeof(rest)))
 {
 if(a==rest.ret_id()&&strcmp(ch,rest.ret_rest())==0)
 return(0);
 }
 fin.close();
 return(a);
```

```
      }
//_____
      class Customer   //MAIN CLASS 2 (to get customer details)
      //Opening of Class to manage customer details and accounts
      {
       char name[50],add[100],phone[20],username[20],password[20];

       public:

       void insert()  //create an account for customer..(in home screen)
       {
       Customer cust;
                                                          //Table of contents
       gotoxy(21,8);
       cout<<d2;

       gotoxy(21,20);
       cout<<d7;
       gotoxy(60,8);
       cout<<d4;
       gotoxy(60,20);
       cout<<d6;

       for(int i=0,j=22;i<38;i++,j++)
       {
        gotoxy(j,8);
        cout<<d3;
       }

       for(i=0,j=9;i<11;i++,j++)
       {
        gotoxy(21,j);
        cout<<d1;
        gotoxy(60,j);
        cout<<d1;
       }
        //To accept the customer details(Contact details,Name,Address,Username,Password)
       gotoxy(25,9);
       cout<<"  Enter the Customer Details: ";
       gotoxy(21,10);
       cout<<d8;
       gotoxy(60,10);
       cout<<d9;
       for(i=0,j=22;i<38;i++,j++)
       {
        gotoxy(j,10);
```

```
 cout<<d3;
 }
gotoxy(24,11);
cout<<"Name: ";//to accept name of customer
gotoxy(21,12);
cout<<d8;
gotoxy(60,12);
cout<<d9;
for(i=0,j=22;i<38;i++,j++)
{
 gotoxy(j,12);
 cout<<d3;
 }
gotoxy(24,13);
cout<<"Phone number: ";
gotoxy(21,14);
cout<<d8;
gotoxy(60,14);
cout<<d9;
for(i=0,j=22;i<38;i++,j++)
{
 gotoxy(j,14);
 cout<<d3;
 }
gotoxy(24,15);
cout<<"Address: ";
gotoxy(21,17);
cout<<d8;
gotoxy(60,17);
cout<<d9;
for(i=0,j=22;i<38;i++,j++)
{
 gotoxy(j,17);
 cout<<d3;
 }
gotoxy(24,18);
cout<<"Username: ";
gotoxy(21,19);
cout<<d8;
gotoxy(60,19);
cout<<d9;
for(i=0,j=22;i<38;i++,j++)
{
 gotoxy(j,19);
 cout<<d3;
 }
```

```
 gotoxy(24,20);
 cout<<"Password: ";
 for(i=0,j=21;i<39;i++,j++)
 {
  gotoxy(j,21);
  cout<<d3;
 }
 gotoxy(21,20);
 cout<<d1;
 gotoxy(21,21);
 cout<<d7;
 gotoxy(60,20);
 cout<<d1;
 gotoxy(60,21);
 cout<<d6;


 gotoxy(30,11); // to enter all details in the corresponding fields
 gets(name);
 strcpy(formal,name);
 gotoxy(38,13);
 gets(phone);
 gotoxy(33,15);
 gets(add);
 gotoxy(34,18);
 gets(username);
 gotoxy(34,20);
 gets(password);

 strcpy(::name,name); //   copying all the details from local to global variable
 strcpy(formal,name);
 strcpy(::add,add);
 strcpy(::phone,phone);
 strcpy(::username,username);
 strcpy(::password,password);
 }
//_____
 int check()
 {              //home page->login as an existing customer(to check if username exists)
 char u[30],p[50];
 int i=0,chk=0;

 gotoxy(37,9);
 cout<<"Login:";

 gotoxy(28,11);
```

```
        for(i=0;i<23;i++)
        cout<<::d3;
        gotoxy(28,13);
        for(i=0;i<23;i++)
        cout<<::d3;
        gotoxy(28,15);
        for(i=0;i<23;i++)
        cout<<::d3;
        gotoxy(28,12);
        cout<<::d1;
        gotoxy(50,12);
        cout<<::d1;
        gotoxy(28,14);
        cout<<::d1;
        gotoxy(50,14);
        cout<<::d1;
        gotoxy(28,11);
        cout<<d2;
        gotoxy(50,11);
        cout<<d4;
        gotoxy(28,15);
        cout<<d7;
        gotoxy(50,15);
        cout<<d6;
        gotoxy(28,13);
        cout<<d8;
        gotoxy(50,13);
        cout<<d9;

        gotoxy(30,12);
        cout<<"Username: ";   //accepts the user name and password from user
        gotoxy(30,14);
        cout<<"Password: ";
        gotoxy(40,12);
        gets(u);
        gotoxy(40,14);
        gets(p);

        ifstream fin("customer.txt",ios::in|ios::binary);//to check if the  username and pass exist in the
file
        while(fin.read((char*)&cust,sizeof(cust)))
        {
        if(strcmp(u,cust.username)==0&&strcmp(p,cust.password)==0) //if exists then the cust details
are stored in global varible
        {
        strcpy(::name,cust.name);
```

```
        strcpy(formal,cust.name);
        strcpy(::add,cust.add);
        strcpy(::phone,cust.phone);
        strcpy(::username,cust.username);
        strcpy(::password,cust.password);
        ++chk; //counter to check if username and pass is correct
       }
      }

      fin.close();
      return(chk);//if chk=0 then details entered are wrong
     }
    //_____
     void del()  //To let the customer delete the account
     { char ch;
     cust.display(0);
     cout<<endl<<endl<<endl<<"Are you sure you want to delete the account(Y(y)/N(n))\n";
     cin>>ch;
     if(ch=='Y'||ch=='y')
      {
      ifstream dat("customer.txt",ios::in|ios::binary);     //to delete the record from file
      ofstream dat1("cust_dub.txt",ios::out|ios::binary);
      while(dat.read((char*)&cust,sizeof(cust)))
       {
       if(strcmp(::username,cust.username)!=0&&strcmp(::password,cust.password)!=0)
       dat1.write((char*)&cust,sizeof(cust));
       }
      dat.close();
      dat1.close();
      remove("customer.txt");
      rename("cust_dub.txt","customer.txt");
      }
     }
    //_____

     int mod()  //To let the customer modify the account
     {
     char ch;
     cust.display(0);
     cout<<endl<<endl<<endl<<"Are you sure you want to modify the account(Y(y)/N(n))\n";
     cin>>ch;

     if(ch=='Y'||ch=='y')//To modify the record in a file
      {
      fstream fout("customer.txt",ios::out|ios::in|ios::binary);
      while(fout.read((char*)&cust,sizeof(cust)))
```

```
     {
      if(strcmp(cust.username,::username)==0 && strcmp(cust.password,::password)==0)
      {
       clrscr();
       title(1);
       cust.insert();
       fout.seekp(fout.tellg()-sizeof(cust));
       fout.write((char*)&cust,sizeof(cust));
       strcpy(::name,cust.name);    //saves new details in global variable
       strcpy(::add,cust.add);
       strcpy(::phone,cust.phone);
       strcpy(::username,cust.username);
       strcpy(::password,cust.password);
      }
     }
     return(1);
     }
    }
//_____
    void display(int a) //Login as existing cust-->Manage your account-->Display your account
    {
     if(a==0)
     {
      gotoxy(26,7);
     for(int i=0,j=26;i<30;j++,i++)
     {
      gotoxy(j,8);
      cout<<d3;
      gotoxy(j,22);
      cout<<d3;
     }
     for(i=0,j=9;i<13;i++,j++)
     {
      gotoxy(26,j);
      cout<<d1;
      gotoxy(55,j);
      cout<<d1;
     }

     gotoxy(26,8);
     cout<<d2;
     gotoxy(55,8);
     cout<<d4;
     gotoxy(26,22);
     cout<<d7;
     gotoxy(55,22);
```

```
cout<<d6;

gotoxy(29,10);
cout<<"Details Of Your Account:";//Manage your account->Display your account
gotoxy(29,12);
cout<<"Name: ";
gotoxy(29,14);
cout<<"Phone Number: ";
gotoxy(29,16);
cout<<"Address: ";
gotoxy(29,18);
cout<<"Username: ";
gotoxy(29,20);
cout<<"Password: ";
gotoxy(36,12);
cout<<::name;
gotoxy(44,14);
cout<<::phone;
gotoxy(38,16);
cout<<::add;
gotoxy(39,18);
cout<<::username ;
gotoxy(39,20);
cout<<::password;
}

if(a==1)
{
 gotoxy(26,7);
 for(int i=0,j=26;i<30;j++,i++)
 {
 gotoxy(j,8);
 cout<<d3;
 gotoxy(j,18);
 cout<<d3;
 }
 for(i=0,j=9;i<10;i++,j++)
 {
 gotoxy(26,j);
 cout<<d1;
 gotoxy(55,j);
 cout<<d1;
 }

 gotoxy(26,8);
 cout<<d2;
```

```
   gotoxy(55,8);
   cout<<d4;
   gotoxy(26,18);
   cout<<d7;
   gotoxy(55,18);
   cout<<d6;

   gotoxy(29,10);
   cout<<"Details Of Your Account:"; //in CHECKOUT
   gotoxy(29,12);
   cout<<"Name: ";
   gotoxy(29,14);
   cout<<"Phone Number: ";
   gotoxy(29,16);
   cout<<"Address: ";
   gotoxy(35,12);
   cout<<::name;
   gotoxy(44,14);
   cout<<::phone;
   gotoxy(38,16);
   cout<<::add;
   gotoxy(39,18);

  }
 }

}cust;
//_____
void title(int n)    //Title(Front page)
{
for(int i=0;i<80;i++)
cout<<"*";
cout<<endl;
if(n==0)
{
for(i=0;i<=28;i++)
cout<<" ";
textcolor(10);
cprintf("Welcome To Food Colony \n");
textcolor(WHITE);
cout<<endl;                       //Introduction
}
else
{
for(i=0;i<=33;i++)
cout<<" ";
```

```
   textcolor(13);
   cprintf("Food Colony \n");//for color
   textcolor(WHITE);
   cout<<endl;
  }
 for(i=0;i<80;i++)
 cout<<"*";
 }
//_____
void load()//This function is called whenever we displayed LOADING...
 {
 cout<<"\n\t\t\t\t   Loading...\n\n";
 char a=177, b=219;
 cout<<"\t\t     ";
 for (int i=0;i<=40;i++)
 cout<<a;
 cout<<"\r";
 cout<<"\t\t     ";
 for (i=0;i<=40;i++)
 {cout<<b;
  delay(100);
 }}
//_____
void descrip()//Starting page
 {
 int i,j;
 textcolor(WHITE);

 title(0);

 cout<<"\n\n   Hungry and wondering about What to eat? Then Dealer Food is just the right \n
 place for you. Find freedom of choice from thousands of restaurants and \n   cuisines.From
 traditional meals to well-known fast food restaurants like \n   Dominos, Pizza Hut and Subway
 along with delicate cuisines as Japanese, \n   and Punjabi, you can find it all. \n\n";

 for(i=5;i<25;i++)
 {
 gotoxy(1,i);
 cout<<"*";
 gotoxy(80,i);
 cout<<"*";
 }

 for(i=1;i<=80;i++)
 {
 gotoxy(i,24);
```

```
 cout<<"*";
 }

 gotoxy(16,15);
 cout<<d2;
 gotoxy(17,15);
 for(i=0,j=0;i<45;i++)
 cout<<d3;

 cout<<endl;
 cout<<"            For any queries about us please contact us:\n";
 cout<<endl<<"\t\t      Mobile Number: 9611304829";
 cout<<"\n\t\t      Email ID: food_colony@gmail.com";

 gotoxy(61,15);
 cout<<d4;

 for(i=0,j=16;i<5;i++,j++)
 {
  gotoxy(16,j);
  cout<<d1;
  gotoxy(61,j);
  cout<<d1;
 }

 gotoxy(17,21);
 for(i=0;i<45;i++)
 cout<<d3;

 gotoxy(61,21);
 cout<<d6;
 gotoxy(16,21);
 cout<<d7;
 gotoxy(1,17);
 cout<<"*";
 gotoxy(1,18);
 cout<<"*";
 gotoxy(1,16);
 cout<<"*";
 gotoxy(1,19);
 cout<<"*";

 ifstream dat("list.txt",ios::in|ios::binary);//checks if the file containig restaurant is empty or not
 while(dat.read((char*)&rest,sizeof(rest)))
 list++;//increments the var if a restaurant is there in the list
 dat.close();
```

```
 getch();
 clrscr();
 title(0);
 }//_____
int admin_login() //In (login as admin)
{
 int i=0,j=0;
 char user[100];
 char pass[100];
 gotoxy(10,9);
 cout<<"Enter the username and password to access the admin account:";
 for(i=12;i<16;i++)
 {
  gotoxy(25,i);
  cout<<d1;
  gotoxy(52,i);
  cout<<d1;
 }

 gotoxy(27,13);
 cout<<d8;
 gotoxy(52,13);
 cout<<d9;

 for(i=26;i<52;i++)
 {
  gotoxy(i,11);
  cout<<d3;
  gotoxy(i,13);
  cout<<d3;
  gotoxy(i,15);
  cout<<d3;
 }

 gotoxy(25,11);
 cout<<d2;
 gotoxy(52,11);
 cout<<d4;
 gotoxy(25,13);
 cout<<d8;
 gotoxy(52,15);
 cout<<d6;
 gotoxy(25,15);
 cout<<d7;
```

```
       gotoxy(27,12);
       cout<<"Username: ";  //Accepts the username and pass..

       gotoxy(27,14);
       cout<<"Password: ";

       gotoxy(37,12);
       gets(user);
       gotoxy(37,14);
       i=0;
       pass[0]=getch();
       while(pass[i]!=13)
       {
        i++;
        cout<<"*"; //to show password in ****...form
        pass[i]=getch();
       }
       pass[i]='\0';

       if(strcmp(pass,"BGS")==0&&strcmp(user,"BGS")==0) //password='BGS'
       //Password for admin
        j=1;

        cout<<endl;
       if(j==1)
        return(1);
        else
        return(0);
       }//_____
       int choice() //In (Login as an existing customer)
       {
        loop:
        int a;
       cout<<endl<<endl<<"WELCOME "<<formal; //'formal' is a var storing the cust name
       gotoxy(26,7);
        for(int i=0,j=26;i<30;j++,i++)
        {gotoxy(j,8);
         cout<<d3;
         gotoxy(j,23);
         cout<<d3;
        }
        for(i=0,j=9;i<14;i++,j++)
        {
         gotoxy(26,j);
         cout<<d1;
         gotoxy(55,j);
```

```
   cout<<d1;
   }

   gotoxy(26,8);
   cout<<d2;
   gotoxy(55,8);
   cout<<d4;
   gotoxy(26,23);
   cout<<d7;
   gotoxy(55,23);
   cout<<d6;

   gotoxy(36,9);   //Options under (Login as cust->Main menu)
   cout<<"Main Menu:";
   gotoxy(29,11);
   cout<<"1.Order your food\n";
   gotoxy(29,13);
   cout<<"2.Display your cart\n";
   gotoxy(29,15);
   cout<<"3.\Checkout\n";
   gotoxy(29,17);

   cout<<"4.Manage your account\n";
   gotoxy(29,19);
   cout<<"5.Logout\n";
   gotoxy(29,21);
   cout<<"Enter your choice: ";
   gotoxy(48,21);
   cin>>a;
   if(a<1||a>6)
   {
    cout<<"Invalid option.";
    getch();
    goto loop;
   }
   return(a);
}//_____
int order()//first option under Main menu(Order your food)
{
 char c[20],sl[30],ch;
 int opt,food,chk=0;
 loop1://Invoked if the cuisine no. is not correctly selected
 clrscr();
 title(1);

 gotoxy(26,7);
```

```cpp
for(int i=0,j=26;i<30;j++,i++)
{
 gotoxy(j,8);
 cout<<d3;
 gotoxy(j,25);
 cout<<d3;
}
for(i=0,j=9;i<16;i++,j++)
{
 gotoxy(26,j);
 cout<<d1;
 gotoxy(55,j);
 cout<<d1;
}

gotoxy(26,8);
cout<<d2;
gotoxy(55,8);
cout<<d4;
gotoxy(26,25);
cout<<d7;
gotoxy(55,25);
cout<<d6;

gotoxy(32,9);        //Inside (Order your food)
cout<<"Enter the cuisine:";
gotoxy(34,11);
cout<<"1. Indian\n";
gotoxy(34,13);
cout<<"2. Italian\n";
gotoxy(34,15);
cout<<"3. Chinese\n";
gotoxy(34,17);
cout<<"4. Mexican";
gotoxy(34,19);
cout<<"5. Fastfoods";
gotoxy(34,21);
cout<<"6. Back";
gotoxy(30,23);
cout<<"Enter your choice: ";
gotoxy(50,23);
cin>>opt;

if(opt==6)
return(opt);
```

```
if(opt==1)
strcpy(c,"Indian");
if(opt==2)
strcpy(c,"Italian");
if(opt==3)
strcpy(c,"Chinese");
if(opt==4)
strcpy(c,"Mexican");
if(opt==5)
strcpy(c,"Fastfoods");

if(opt>=7||opt<=0)
{
 cout<<"Invalid Option.";
 getch();
 goto loop1;
}

loop2://Invoked if chk=0 i.e if user enters wrong sl no for the restaurant under a specific cuisine
chk=0;

rest.output_cuisine(c);

cout<<endl<<"Enter the serial number of the restaurant: ";
gets(sl);

if(strcmp(sl,"0")==0)
goto loop1;

ifstream fin2("List.txt",ios::in|ios::binary);
while(fin2.read((char*)&rest,sizeof(rest)))
{
 if(strcmp(sl,rest.ret_rest())==0)
 chk++; //Incrementing chk if rest id entered by user is correct
}
fin2.close();

if(chk==0)
{
 cout<<"The serial number which you entered does not exist please try again.";
 getch();
 clrscr();
 title(1);
 goto loop2;
}
```

```
loop3:
rest.show_food(sl);
rest.enter_cart(sl);


if(chk==0)
goto loop2;

cout<<"\n\nDo you want to buy more food from this restaurant? (Y(y)/N(n))\n";
cin>>ch;

if(ch=='y'||ch=='Y')
goto loop3;//to purchase more items
else
goto loop2;
}//_____
int admin() //options Inside admin
{
int opt1,opt2,opt3,chk;
char ch,name[10],s[10];
main:       //Invoked when wrong option is entered by the user
clrscr();
title(1);

gotoxy(26,7);
for(int i=0,j=26;i<30;j++,i++)
{
 gotoxy(j,7);
 cout<<d3;
 gotoxy(j,24);
 cout<<d3;
}
for(i=0,j=8;i<16;i++,j++)
{
 gotoxy(26,j);
 cout<<d1;
 gotoxy(55,j);
 cout<<d1;
}

gotoxy(26,7);
cout<<d2;
gotoxy(55,7);
cout<<d4;
gotoxy(26,24);
cout<<d7;
```

```
gotoxy(55,24);
cout<<d6;

gotoxy(38,8);        //Options inside ADMIN
cout<<"ADMIN:";
gotoxy(29,10);
cout<<"1.Add a restaurant\n";
gotoxy(29,12);
cout<<"2.Delete a restaurant\n";
gotoxy(29,14);
cout<<"3.Display the restaurants\n";
gotoxy(29,16);
cout<<"4.Modify a restaurant\n";
gotoxy(29,18);
cout<<"5.Manage a restaurant\n";
gotoxy(29,20);
cout<<"6.Back to login screen\n\n";
gotoxy(29,23);
cout<<"Enter your choice: ";
gotoxy(40,30);
cin>>opt1;

if(opt1<0&&opt1>6)
{
 cout<<"\nInvalid option.";
 getch();
 goto main;
}
switch(opt1)
{
 case 1:loop:  //(Admin-->Add a restaurant)
        clrscr();
        title(1);
        rest.input();
        clrscr();
        title(1);
        rest.output();
        cout<<"\nDo you want to add more restaurants ? (Y(y) /N(n))\n";
        cin>>ch;
        if(ch=='Y'||ch=='y')
        goto loop;
        else
        goto main;

 case 2:loop2://(Admin-->Delete a restaurant)
        clrscr();
```

```
        title(1);
        cout<<endl;
        if(list>0)
        {
         chk=rest.del();
         if(chk!=0)
          {
           clrscr();
           title(1);
           cout<<endl;
           rest.output();
           cout<<"\nDo you want to delete any more restaurant? (Y / N)\n";
           cin>>ch;
           if(ch=='Y'||ch=='y')
           goto loop2;
           else
           goto main;
          }
         else
         goto loop2;
        }
        else
        {
         rest.output();
         goto main;
        }

case 3:clrscr(); //Admin-->Display restaurants)
        title(1);
        rest.output();
        goto main;

case 4:loop4: //Admin-->Modify the restaurants)
        clrscr();
        title(1);
        chk=rest.mod_rest();
        if(chk==1)
        goto loop4;
        else
        goto main;

case 5:loopManage://Admin-->Manage the restaurant)
        clrscr();
        title(1);

        if(list>0)
```

```
{
gotoxy(26,8);
for(int i=0,j=26;i<30;j++,i++)
{
 gotoxy(j,8);
 cout<<d3;
 gotoxy(j,23);
 cout<<d3;
}
for(i=0,j=9;i<14;i++,j++)
{
 gotoxy(26,j);
 cout<<d1;
 gotoxy(55,j);
 cout<<d1;
}

gotoxy(26,8);
cout<<d2;
gotoxy(55,8);
cout<<d4;
gotoxy(26,23);
cout<<d7;
gotoxy(55,23);
cout<<d6;

gotoxy(38,9);
cout<<"MANAGE";//options under manage restaurants in admin
gotoxy(29,11);
cout<<"1.Add a food item";
gotoxy(29,13);
cout<<"2.Delete a food item";
gotoxy(29,15);
cout<<"3.Display the food itmes:";
gotoxy(29,17);
cout<<"4.Modify the food items";
gotoxy(29,19);
cout<<"5.Back to admin\n";
gotoxy(29,21);
cout<<"Enter your choice: ";
gotoxy(49,21);
cin>>opt3;

if(opt3==1)//(Admin->Manage->add food)
{
 enter_loop:
```

```
clrscr();
title(1);
rest.output();
chk=rest.enter_food();
if(chk==0)
goto enter_loop;
else
goto loopManage;
}
else if(opt3==2)//(Admin->manage->delete)
{
clrscr();
title(1);
rest.output();
cout<<"\nEnter the serial number of the restaurant whose food you want to delete: \n";
gets(s);
rest.del_food(s);
goto loopManage;
}
else if(opt3==3)//(Admin->manage->display food)
{
chk:
clrscr();
title(1);
rest.output();
cout<<"\nEnter the serial number of the restaurant whose food you want to display: \n";
gets(s);
opt3=rest.show_food(s);
if(opt3==0)
goto chk;
goto loopManage;
}

else if(opt3==4)//Admin->Manage->Modify)
{
loop5:
clrscr();
title(1);
chk=rest.mod_food();
if(chk==1)
goto loop5;
else
goto loopManage;

}
```

```
              else if(opt3==5)  //to go back to main menu
              goto main;


              else
              { cout<<"\nInvalid option.";
               getch();
               goto loopManage;
              }
              }


              else
              {
               rest.output();
               goto main;
              }

      case 6: return(1);//to go back to login screen

       default:cout<<"Invalid option.";
              getch();
              goto main;
       }
     return(0);
     }//_____
     void main_login()          //Login for the customer
     {
      Customer cust;               //Creation of an object for class Customer
      int opt,z,i,j,chk;
      char ch;
      main:
      clrscr();
      title(0);

      ofstream fout("bill.txt",ios::out|ios::binary);
      fout.close();

      textcolor(11);
     cprintf("\n\n\n\n              Please login to order from us:");//cprintf is used for color
      textcolor(WHITE);

      gotoxy(23,11);
      cout<<d2;

      gotoxy(24,11);
      for(i=0;i<34;i++)
      cout<<d3;
```

```
gotoxy(57,18);
cout<<d6;

gotoxy(23,18);
cout<<d7;

gotoxy(57,11);
cout<<d4;

for(i=0,j=12;i<6;i++,j++)
{
 gotoxy(23,j);
 cout<<d1;
 gotoxy(57,j);
 cout<<d1;
}
gotoxy(25,12);   //options given to a customer
cout<<"1.Login as an existing customer";
gotoxy(25,13);
cout<<"2.Create a new account";
gotoxy(25,14);
cout<<"3.Login as an admin";
gotoxy(25,15);
cout<<"4.Exit";
gotoxy(25,17);
cout<<"Enter your option: ";

gotoxy(24,18);
for(i=0;i<33;i++)
cout<<d3;

//Pizza pic
gotoxy(2,17);
cout<<"// "--.._\n|| (_) _ '-._\n||   _ (_)   '-.\n||  (_)  __..-'\n \\__..--''";

gotoxy(44,17);
cin>>opt;//options in login menu
switch(opt)
{
 case 1:loop:  //login as existing cust
        clrscr();
        title(1);

        chk=cust.check();
        cout<<endl;
```

```
              load();
              cout<<endl;

              if(chk==0)
              {
               cout<<endl<<"\tThe username or password which you have entered is wrong.\n\t
      Would you like to try again? (Y / N): ";
               cin>>ch;
               if(ch=='Y'||ch=='y')
               goto loop;
               else
               goto main;
              }
              break;

        case 2:clrscr();//to create a new account on main page
              title(1);
              cust.insert();
              fstream fout("customer.txt",ios::app|ios::binary);
              fout.write((char*)&cust,sizeof(cust));
              fout.close();
              load();
              cout<<"\n\t\t   Your account has been successfully created.";
              getch();
              break;

        case 3:loop2: //login as an admin
              clrscr();
              title(1);
              z=admin_login();
              cout<<endl;
              load();
              cout<<endl;
              if(z==1)
              {
               clrscr();
               i=admin();
               if(i==1)
               {
                goto main;
               }
              }
              else
              {
               cout<<endl<<"\nWrong Password";
               cout<<endl<<"Do you want to go back or try again? (Y / N): ";
```

```
               cin>>ch;
               if(ch=='Y'||ch=='y')
               {
                goto loop2;
               }
               else
               {
                goto main;
               }
             }

        case 4:exit(1);//to go back to code window

        default:cout<<"\nInvalid option.";
               getch();
               goto main;
      }
     }//_____
    int payment() //Login as existing customer->checkout..
    {
     int choice,cvv,opt,i,j;
     char name[30],number[30],expiry[20];

     loop:
     clrscr();
     title(1);

     gotoxy(26,7);
     for(i=0,j=26;i<30;j++,i++)
     {
      gotoxy(j,8);
      cout<<d3;
      gotoxy(j,21);
      cout<<d3;
     }
     for(i=0,j=9;i<12;i++,j++)
     {
      gotoxy(26,j);
      cout<<d1;
      gotoxy(55,j);
      cout<<d1;
     }

     gotoxy(26,8);
     cout<<d2;
     gotoxy(55,8);
```

```
        cout<<d4;
        gotoxy(26,21);
        cout<<d7;
        gotoxy(55,21);
        cout<<d6;

        gotoxy(33,9);     //inside checkout
        cout<<"Payment Method:";
        gotoxy(29,11);
        cout<<"1.Credit Card";
        gotoxy(29,13);
        cout<<"2.Debit Card";
        gotoxy(29,15);
        cout<<"3.Cash On Delivery";
        gotoxy(29,17);
        cout<<"4.Go Back To Main Menu";
        gotoxy(29,19);
        cout<<"Enter your choice: ";
        gotoxy(48,19);
        cin>>choice;

        if(choice>4||choice<1)
        {
         gotoxy(48,19);
         cout<<"Invalid Option";
         getch();
         goto loop;
        }

        switch(choice) //to execute the payment method
        {
         case 1:loop1://payment by credit card
                clrscr();
                title(1);

                for(i=0,j=16;i<50;i++,j++)
                {
                 gotoxy(j,7);
                 cout<<d3;
                 gotoxy(j,24);
                 cout<<d3;
                }

                for(i=0,j=8;i<17;i++,j++)
                {
                 gotoxy(16,j);
```

```
         cout<<d1;
         gotoxy(65,j);
         cout<<d1;
         }
         gotoxy(32,9);
         cout<<"Credit Card Details:";
         for(i=0,j=17;i<48;i++,j++)
         {
         gotoxy(j,11);
         cout<<d3;
         }
         gotoxy(19,12);
         cout<<" Choose the type of card which you possess:";
         gotoxy(19,13);
         cout<<"1.Visa     ";
         cout<<"2.Master Card    ";
         cout<<"3.American Express";
         gotoxy(19,15);
         cout<<"Your choice: ";
         for(i=0,j=17;i<48;i++,j++)
         {
         gotoxy(j,16);
         cout<<d3;
         }
         gotoxy(19,17);
         cout<<"Enter the name on the card: ";
         for(i=0,j=17;i<48;i++,j++)
         {
         gotoxy(j,18);
         cout<<d3;
         }
         gotoxy(19,19);
         cout<<"Enter the card number: ";
         for(i=0,j=17;i<48;i++,j++)
         {
         gotoxy(j,20);
         cout<<d3;
         }
         gotoxy(19,21);
         cout<<"Enter the expiry date: ";
         for(i=0,j=17;i<48;i++,j++)
         {
         gotoxy(j,22);
         cout<<d3;
         }
         gotoxy(19,23);
```

```
cout<<"Enter the CVV number: ";

gotoxy(16,7);
cout<<d2;
gotoxy(16,11);
cout<<d8;
gotoxy(16,16);
cout<<d8;
gotoxy(16,18);
cout<<d8;
gotoxy(16,20);
cout<<d8;
gotoxy(16,22);
cout<<d8;
gotoxy(16,24);
cout<<d7;
gotoxy(65,7);
cout<<d4;
gotoxy(65,11);
cout<<d9;
gotoxy(65,16);
cout<<d9;
gotoxy(65,18);
cout<<d9;
gotoxy(65,20);
cout<<d9;
gotoxy(65,22);
cout<<d9;
gotoxy(65,24);
cout<<d6;


gotoxy(32,15);
cin>>opt;

if(opt<1||opt>3)
{
 gotoxy(32,15);
 cout<<"Invalid option. Try Again";
 getch();
 goto loop1;
}

gotoxy(47,17);
gets(name);
gotoxy(42,19);
```

```
        gets(number);
        gotoxy(42,21);
        gets(expiry);
        gotoxy(41,23);
        cin>>cvv;

        clrscr();
        title(1);
        cout<<endl;
        load();
        clrscr();
        title(1);
        cout<<"Your food items will be delivered within the next 45 minutes.\nThank you for
    ordering your mouth watering foods from us.\nWe hope to see you again :D ";
        getch();
        return(0);

   case 2:loop2: //payment by debit card
        clrscr();
        title(1);

        for(i=0,j=16;i<50;i++,j++)
        {
         gotoxy(j,7);
         cout<<d3;
         gotoxy(j,24);
         cout<<d3;
        }

        for(i=0,j=8;i<17;i++,j++)
        {
         gotoxy(16,j);
         cout<<d1;
         gotoxy(65,j);
         cout<<d1;
        }
        gotoxy(32,9);
        cout<<"Debit Card Details:";
        for(i=0,j=17;i<48;i++,j++)
        {
         gotoxy(j,11);
         cout<<d3;
        }
        gotoxy(19,12);
        cout<<" Choose the type of card which you possess:";
        gotoxy(19,13);
```

```
cout<<"1.Visa    ";
cout<<"2.Master Card    ";
cout<<"3.American Express";
gotoxy(19,15);
cout<<"Your choice: ";
for(i=0,j=17;i<48;i++,j++)
{
 gotoxy(j,16);
 cout<<d3;
}
gotoxy(19,17);
cout<<"Enter the name on the card: ";
for(i=0,j=17;i<48;i++,j++)
{
 gotoxy(j,18);
 cout<<d3;
}
gotoxy(19,19);
cout<<"Enter the card number: ";
for(i=0,j=17;i<48;i++,j++)
{
 gotoxy(j,20);
 cout<<d3;
}
gotoxy(19,21);
cout<<"Enter the expiry date: ";
for(i=0,j=17;i<48;i++,j++)
{
 gotoxy(j,22);
 cout<<d3;
}
gotoxy(19,23);
cout<<"Enter the CVV number: ";

gotoxy(16,7);
cout<<d2;
gotoxy(16,11);
cout<<d8;
gotoxy(16,16);
cout<<d8;
gotoxy(16,18);
cout<<d8;
gotoxy(16,20);
cout<<d8;
gotoxy(16,22);
cout<<d8;
```

```
gotoxy(16,24);
cout<<d7;
gotoxy(65,7);
cout<<d4;
gotoxy(65,11);
cout<<d9;
gotoxy(65,16);
cout<<d9;
gotoxy(65,18);
cout<<d9;
gotoxy(65,20);
cout<<d9;
gotoxy(65,22);
cout<<d9;
gotoxy(65,24);
cout<<d6;


gotoxy(32,15);
cin>>opt;

if(opt<1||opt>3)
{
 gotoxy(32,15);
 cout<<"Invalid option. Try Again";
 getch();
 goto loop2;
}

gotoxy(47,17);
gets(name);
gotoxy(42,19);
gets(number);
gotoxy(42,21);
gets(expiry);
gotoxy(41,23);
cin>>cvv;

clrscr();
title(1);
cout<<endl;
load();
clrscr();
title(1);
cout<<"Your food items will be delivered within the next 45 minutes.\nThank you for
ordering your mouth watering foods from us.\nWe hope to see you again :D ";
```

```
            getch();
            return(0);

    case 3:clrscr(); //COD method
            title(1);
            cout<<"Your items will be delivered within the next 45 minutes.\nThank you for
    ordering your mouth watering foods from us.\nWe hope to see you again :D ";
            getch();
            return(0);

    case 4: return(4);

    default: cout<<endl<<"Invalid option.";
            getch();
            goto loop;
  }
}
//_____
void stars()//first page design
{
 randomize();
 int j;
 for(int i=0;i<550;i=i+20)
 {
  setcolor(62);
  j=random(600);
  outtextxy(j,i,"*");//to dispaly the design
 }
}//_____
void graphics()
{
int gdriver = DETECT, gmode;
initgraph(&gdriver,&gmode,"\\TC\\BGI");

for(int i=0,j=-300;i<1000;i++,j++)
{
 settextstyle(2,HORIZ_DIR,8);
 stars();
 settextstyle(6,HORIZ_DIR,8);
 setcolor(5);
 outtextxy(160,j,"WELCOME");
 outtextxy(161,j+1,"WELCOME");
 outtextxy(162,j+2,"WELCOME");
 outtextxy(163,j+3,"WELCOME");
 outtextxy(165,j+4,"WELCOME");
 outtextxy(166,j+5,"WELCOME");
```

```
 outtextxy(167,j+6,"WELCOME");
 outtextxy(168,j+7,"WELCOME");
 outtextxy(169,j+8,"WELCOME");
 outtextxy(170,j+9,"WELCOME");

 cleardevice();
 }

 stars();
 for( i=0,j=500;i<1450;i++,j--)
 {
 settextstyle(2,HORIZ_DIR,8);
 stars();
 settextstyle(6,HORIZ_DIR,8);
 setcolor(3);
 outtextxy(j,150,"TO");
 outtextxy(j+1,150,"TO");
 outtextxy(j+2,150,"TO");
 outtextxy(j+3,150,"TO");
 outtextxy(j+4,150,"TO");
 outtextxy(j+5,150,"TO");
 outtextxy(j+6,150,"TO");
 outtextxy(j+7,150,"TO");
 outtextxy(j+8,150,"TO");
 outtextxy(j+9,150,"TO");
 outtextxy(j+10,150,"TO");
 outtextxy(j+11,150,"TO");
 outtextxy(j+12,150,"TO");
 outtextxy(j+13,150,"TO");

 cleardevice();
 }

 stars();
 for( i=0,j=-450;i<1450;i++,j++)
 {
 settextstyle(2,HORIZ_DIR,8);
 stars();
 settextstyle(6,HORIZ_DIR,8);
 setcolor(7);
 outtextxy(j,150,"FOOD COLONY");
 outtextxy(j+1,150,"FOOD COLONY");
 outtextxy(j+2,150,"FOOD COLONY");
 outtextxy(j+3,150,"FOOD COLONY");
 outtextxy(j+4,150,"FOOD COLONY");
 outtextxy(j+5,150,"FOOD COLONY");
```

```
 outtextxy(j+6,150,"FOOD COLONY");
 outtextxy(j+7,150,"FOOD COLONY");
 outtextxy(j+8,150,"FOOD COLONY");
 outtextxy(j+9,150,"FOOD COLONY");
 outtextxy(j+10,150,"FOOD COLONY");
 cleardevice();
 }
 closegraph();
 }//_____
 void main()
 {
 remove("bill.txt");
 clrscr();
 graphics();
 textcolor(WHITE);
 clrscr();
 int opt,i=0,z,chk;
 randomize();
 Bill=random(2001);//displays the bill number randomly
 char ch;
 descrip();

 start:
 main_login();
 MainMenu: //Bookmark
 clrscr();
 title(0);
 opt=choice();

 switch(opt) //Main menu(Login as existing)
 {
 case 1:opt=order();
        if(opt==6)
        {
         goto MainMenu;
        }
        getch();
        break;

  case 2:check:     //login as existing cust->Display your cart
        clrscr();
        title(1);
        cout<<"\nYour cart\n";
        rest.display_cart();
        cout<<endl<<"\n1.Do you want to delete any items\n2.Back to main menu\n\nEnter your
 choice: ";
```

```
            cin>>opt;

            cout<<endl<<endl;
            switch(opt)  //nested switch 1
            {
             case 1:clrscr();
                    title(1);
                    rest.del_cart();
                    cout<<endl;
                    load();
                    clrscr();
                    title(1);
                    rest.display_cart();
                    cout<<endl<<"The item was successfully removed.";
                    goto check;

            case 2:goto MainMenu;

            default:cout<<"\nInvalid option.";
                    getch();
                    goto check;
            }

    case 3:clrscr();  //for checkout
            title(1);
            cout<<"\nCheckout:\n";
            cout<<endl;
            load();
            clrscr();
            title(1);
            cout<<"\nCheckout:\n\n";
            cust.display(1);
            getch();
            clrscr();
            title(1);
            cout<<endl;
            cout<<setw(50)<<"Your cart: \n";
            rest.display_cart();
            getch();
            chk=payment();

            if(chk==4)
            goto MainMenu;

            else if(chk==0)
            goto start;
```

```
            goto MainMenu;


    case 4:loop: //login as cust->manage your account
            clrscr();
            title(1);

            gotoxy(26,8);
            for(int i=0,j=26;i<30;j++,i++)
            {
             gotoxy(j,8);
             cout<<d3;
             gotoxy(j,21);
             cout<<d3;
            }
            for(i=0,j=9;i<12;i++,j++)
            {
             gotoxy(26,j);
             cout<<d1;
             gotoxy(55,j);
             cout<<d1;
            }
            gotoxy(26,8);
            cout<<d2;
            gotoxy(55,8);
            cout<<d4;
            gotoxy(26,21);
            cout<<d7;
            gotoxy(55,21);
            cout<<d6;
           gotoxy(32,9);
            cout<<"ACCOUNT MANAGEMENT:";
            gotoxy(29,11);
            cout<<"1.Modify your account";
            gotoxy(29,13);
            cout<<"2.Delete your account";
            gotoxy(29,15);
            cout<<"3.Display your account";
            gotoxy(29,17);
            cout<<"4.Back to main menu";
            gotoxy(29,19);
            cout<<"Enter your choice: ";
            gotoxy(49,19);
            cin>>opt;
        /* */switch(opt)  //nested switch 2
```

```
        {
         case 1:clrscr(); //login as existing customer->Manage->Modify
                title(1);
                opt=cust.mod();
                if(opt==1)
                {
                 cout<<endl;
                 load();
                 cout<<endl<<endl<<"Your account has been successfully modified.";
                 getch();
                }
                goto MainMenu;

         case 2:clrscr(); //login as existing customer->Manage->Delete
                title(1);
                cust.del();
                cout<<endl;
                load();
                cout<<endl<<"Your account has been successfully deleted.";
                goto start;

         case 3:clrscr();//login as existing cust->manage->display
                title(1);
                cout<<endl;
                load();
                clrscr();
                title(1);
                cout<<endl;
                cust.display(0);
                getch();
                goto loop;
        case 4:goto MainMenu;
        default: cout<<"\nInvalid Option";
                  getch();
                  goto MainMenu;
        }
  case 5:goto start;
  }
  }
```

SAMPLE OUTPUT

```
****************************************************************************
                        Welcome To Food Colony

****************************************************************************
*                                                                        *
*                                                                        *
*   Hungry and wondering about What to eat? Then Dealer Food is just the right  *
*    place for you. Find freedom of choice from thousands of restaurants and    *
*    cuisines.From traditional meals to well-known fast food restaurants like   *
*    Dominos, Pizza Hut and Subway along with delicate cuisines as Japanese,    *
*    and Punjabi, you can find it all.                                   *
*                                                                        *
*                                                                        *
*                                                                        *
*             +----------------------------------------------+           *
*             | For any queries about us please contact us:  |           *
*             |                                              |           *
*             |        Mobile Number: 9611304829             |           *
*_            |     Email ID: food_colony@gmail.com           |           *
*             +----------------------------------------------+           *
*                                                                        *
*                                                                        *
*                                                                        *
*                                                                        *
****************************************************************************
```

```
****************************************************************************
                        Welcome To Food Colony

****************************************************************************



                      Please login to order from us:
             +----------------------------------------+
             | 1.Login as an existing customer        |
             | 2.Create a new account                 |
             | 3.Login as an admin                    |
             | 4.Exit                                 |
             |                                        |
             | Enter your option: _                   |
             +----------------------------------------+
   // ''--.._
  ||  (_)   '-._
  ||   _ (_)    '-.
  ||  (_)  _..-'
  \__..--',,_..-'
```

```
********************************************************************************
                            Food Colony

********************************************************************************



                              Login:

                   +--------------------------+
                   | Username: _              |
                   +--------------------------+
                   | Password:                |
                   +--------------------------+
```

```
********************************************************************************
                       Welcome To Food Colony

********************************************************************************

WELCOME            +----------------------------------+
                   |          Main Menu:              |
                   |                                  |
                   |  1.Order your food               |
                   |                                  |
                   |  2.Display your cart             |
                   |                                  |
                   |  3.Checkout                      |
                   |                                  |
                   |  4.Manage your account           |
                   |                                  |
                   |  5.Logout                        |
                   |                                  |
                   |  Enter your choice: _            |
                   +----------------------------------+
```

```
************************************************************************
                        Welcome To Food Colony

************************************************************************


WELCOME
                    ┌──────────────────────────────┐
                    │         Main Menu:           │
                    │                              │
                    │    1.Order your food         │
                    │                              │
                    │    2.Display your cart       │
                    │                              │
                    │    3.Checkout                │
                    │                              │
                    │    4.Manage your account     │
                    │                              │
                    │    5.Logout                  │
                    │                              │
                    │    Enter your choice:        │
                    │                              │
                    └──────────────────────────────┘
```

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************************************************************************
                        Food Colony

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                    ┌──────────────────────────────┐
                    │      Enter the cuisine:      │
                    │                              │
                    │         1. Indian            │
                    │                              │
                    │         2. Italian           │
                    │                              │
                    │         3. Chinese           │
                    │                              │
                    │         4. Mexican           │
                    │                              │
                    │         5. Fastfoods         │
                    │                              │
                    │         6. Back              │
                    │                              │
                    │    Enter your choice:        │
                    │                              │
                    └──────────────────────────────┘
```

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                            Food Colony

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Italian Restaurants in Italian cuisine:


 _____
| Sl.no               Restaurant Name            Location             |
 _____
|  D1.                Dominos                     Arekere              |
|  P1.                Pizza Hut                    Bannerghatta         |
|  P2.                Papa Johns                   Hulimavu             |
|  U1.                U.S Pizza                     Gottigere            |
 _____

0.Back


Enter the serial number of the restaurant: _
```

```
                            Food Colony

************************************************************************

Your cart
 _____
  Bill Number: 1351    :        Time: 13:45:41        :     Date: 01/18/17
 _____


D1. Dominos
 _____
| ID No.              Item Name               Quantity           Rate  |
 _____
|  1                  Mexican Green Wave           2              650   |
|  2                  Peppy Paneer                 1              500   |
 _____

Total Price: 1800

1.Do you want to delete any items
2.Back to main menu

Enter your choice:
```

```
******************************************************************************
                              Food Colony

******************************************************************************


                    ┌─────────────────────────────────┐
                    │       Payment Method:            │
                    │                                  │
                    │   1.Credit Card                  │
                    │                                  │
                    │   2.Debit Card                   │
                    │                                  │
                    │   3.Cash On Delivery             │
                    │                                  │
                    │   4.Go Back To Main Menu         │
                    │                                  │
                    │   Enter your choice:             │
  _                 │                                  │
                    └─────────────────────────────────┘
```

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******************************************************************************
                              Food Colony

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          ┌─────────────────────────────────────────────────────┐
          │                                                     │
          │              Credit Card Details:                   │
          │                                                     │
          ├─────────────────────────────────────────────────────┤
          │   Choose the type of card which you possess:        │
          │   1.Visa     2.Master Card     3.American Express    │
          │                                                     │
          │   Your choice:                                      │
          ├─────────────────────────────────────────────────────┤
          │   Enter the name on the card:                       │
          ├─────────────────────────────────────────────────────┤
          │   Enter the card number:                            │
          ├─────────────────────────────────────────────────────┤
          │   Enter the expiry date:                            │
          ├─────────────────────────────────────────────────────┤
          │   Enter the CVV number:                             │
          └─────────────────────────────────────────────────────┘
```

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                              Food Colony
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                    ┌─────────────────────────────────┐
                    │     ACCOUNT MANAGEMENT:           │
                    │                                   │
                    │   1.Modify your account           │
                    │                                   │
                    │   2.Delete your account           │
                    │                                   │
                    │   3.Display your account          │
                    │                                   │
                    │   4.Back to main menu             │
                    │                                   │
                    │   Enter your choice:              │
                    └─────────────────────────────────┘
```

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********************************************************************************
                              Food Colony
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                    ┌─────────────────────────────────┐
                    │  Details Of Your Account:         │
                    │                                   │
                    │  Name:  Abijith                   │
                    │                                   │
                    │  Phone Number:  9611304829        │
                    │                                   │
                    │  Address: L&T                     │
                    │                                   │
                    │  Username: 123                    │
                    │                                   │
                    │  Password: 123                    │
                    └─────────────────────────────────┘

 Are you sure you want to modify the account: (Y / N)
 _
```

```
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                          Food Colony

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              +-----------------------------------+
              |             ADMIN:                |
              |                                   |
              |   1.Add a restaurant              |
              |                                   |
              |   2.Delete a restaurant           |
              |                                   |
              |   3.Display the restaurants       |
              |                                   |
              |   4.Modify a restaurant           |
              |                                   |
              |   5.Manage a restaurant           |
              |                                   |
              |   6.Back to login screen          |
              |                                   |
              |                                   |
              |   Enter your choice: _            |
              +-----------------------------------+
```

```
*****************************************************************************

                          Food Colony

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              +-----------------------------------+
              |             MANAGE                |
              |                                   |
              |   1.Add a food item               |
              |                                   |
              |   2.Delete a food item            |
              |                                   |
              |   3.Display the food itmes:       |
              |                                   |
              |   4.Modify the food items         |
              |                                   |
              |   5.Back to admin                 |
              |                                   |
              |   Enter your choice:   _          |
              +-----------------------------------+
```

```
**************************************************************************
                                Food Colony

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 Your items will be delivered within the next 45 minutes.
 Thank you for ordering your mouth watering foods from us.
 We hope to see you again :D _
```

BIBLIOGRAPHY

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