

Restaurant Booking And Food Odering System

AMAN BAGADIYA ,0801CS211013,
B.tech 2nd year,SGSITS INDORE

January 30, 2023

1 AIM :

The aim of my project is to make a restaurant management and food odering system via which user can perform following functions :

A. USER FUNCTIONS

ORDER FOOD
BOOK TABLE AT RESTAURANT
CANCELL BOOKING
GET INFORMATION ABOUT RESTAURANT

B.ADMIN FUNCTIONS

ADMIN AUTHENTICATION
SET/UPDATE GST RATES
GENERATE INVOICE
VIEW ALL INVOICES
VIEW ALL BOOKINGS

2 Following are the functions used in project:

2.1 Welcome_Page()

This function shows the user functionalities available for him also ask the user about the login choice and then depending upon the user selected choice calls the respective function.

2.2 Admin_Page()

This function allows the admin to perform following functions to update GST rate, to view all Invoices, to view all Bookings.

2.3 Admin_authentication()

This funtion is used to verify admin by the user entered password nd admin id with the already existing one.

2.4 User_Registration_Page()

This funtion takes the user details - name, phone number, address, email id as input and stores it into the structure.

2.5 options()

This function displays the options available to the user as follows 1.Get Information About Restaurant 2.Order Food; 3.Book table; 4.Cancel your Booking; 5.Exit; and gives the choice to select from the available option and calls the respective function.

2.6 place_order()

This function displays other 2 functions which are menu and city display.

2.7 city_display()

This is functions gives the user the choice of the city and ask him to select from the given choices.

2.8 City_choice(int city_choice)

This function intakes the parameter as city choice selected by the user and calls the respective city function.

2.9 INDORE()

This function shows the list of the available restaurants of Indore city.

2.10 BHOPAL()

This function shows the list of the available restaurants of Bhopal city,

2.11 MUMBAI()

This function shows the list of the available restaurants of Mumbai city.

2.12 INDORE.info(int restaurant_name)

This function shows the information to user about selected restaurant of Indore city.

2.13 BHOPAL_info(int restaurant_name)

This function shows the information to user about selected restaurant of Bhopal city.

2.14 MUMBAI_info(int restaurant_name)

This function shows the information to user about selected restaurant of Mumbai city.

2.15 void menu()

This function shows the menu and takes the item no. and its quantity as input and calls the bill function for bill generation.

2.16 void Bill()

Its function is to compute the bill and ask the user to add more items and also to call the invoice function to print invoice.

2.17 void Invoice()

Its function to display the invoice on screen in proper format and also to call save_details().

2.18 save_details()

This function is responsible for creating a file and saving the user details in it.

2.19 Booking()

This function is used to display the list of the vacant and occupied seats and also to book a table and display the successfull booking information.

2.20 save_booking_details()

This function is responsible for creating a file and saving the booking details in it.

2.21 Cancel_Booking()

This function is responsible for cancelling the booking by making that array element as 0.

2.22 void print_invoice()

This function is used to print the invoice from the file on screen.

2.23 void view_bookings()

This function is used to print the bookings from the file on screen.

3 Description

This mini project program is created with the objective to ease the food ordering, restaurant booking and bill generation system it contains about 23 functions all of them perform different different work. It is created in 2 languages C and C++, Here i have majorly used the concept of array ,structures, file handling,and loops.

4 Profiler report

Flat profile:

Each sample counts as 0.01 seconds.
no time accumulated

% time	cumulative seconds	self seconds	calls	self Ts/call	total Ts/call	name
0.00	0.00	0.00	3	0.00	0.00	Bill
0.00	0.00	0.00	3	0.00	0.00	menu
0.00	0.00	0.00	2	0.00	0.00	Welcome_Page
0.00	0.00	0.00	1	0.00	0.00	Admin_Page
0.00	0.00	0.00	1	0.00	0.00	Admin_authentication
0.00	0.00	0.00	1	0.00	0.00	Booking
0.00	0.00	0.00	1	0.00	0.00	Cancel_Booking
0.00	0.00	0.00	1	0.00	0.00	User_Registration_Page
0.00	0.00	0.00	1	0.00	0.00	invoice
0.00	0.00	0.00	1	0.00	0.00	options
0.00	0.00	0.00	1	0.00	0.00	place_order
0.00	0.00	0.00	1	0.00	0.00	print_invoice
0.00	0.00	0.00	1	0.00	0.00	save_booking_details
0.00	0.00	0.00	1	0.00	0.00	save_details
0.00	0.00	0.00	1	0.00	0.00	view_bookings

%
time the percentage of the total running time of the
program used by this function.

cumulative
seconds a running sum of the number of seconds accounted
for by this function and those listed above it.

self
seconds the number of seconds accounted for by this
function alone. This is the major sort for this
listing.

calls the number of times this function was invoked, if
this function is profiled, else blank.

self
ms/call the average number of milliseconds spent in this
function per call, if this function is profiled,
else blank.

total
ms/call the average number of milliseconds spent in this
function and its descendents per call, if this
function is profiled, else blank.

name the name of the function. This is the minor sort
for this listing. The index shows the location of
the function in the gprof listing. If the index is
in parenthesis it shows where it would appear in
the gprof listing if it were to be printed.

Copyright (C) 2012-2017 Free Software Foundation, Inc.

Copying and distribution of this file, with or without modification,
are permitted in any medium without royalty provided the copyright
notice and this notice are preserved.

Call graph (explanation follows)

granularity: each sample hit covers 4 byte(s) no time propagated

index	% time	self	children	called	name
[1]	0.0	0.00	0.00	1+13	<cycle 1 as a whole> [1]
		0.00	0.00	3	menu <cycle 1> [4]
		0.00	0.00	3	Bill <cycle 1> [3]
		0.00	0.00	2	Welcome_Page <cycle 1> [5]
		0.00	0.00	1	User_Registration_Page <cycle 1> [10]
		0.00	0.00	1	options <cycle 1> [12]
		0.00	0.00	1	place_order <cycle 1> [13]
		0.00	0.00	1	invoice <cycle 1> [11]
		0.00	0.00	1	Booking <cycle 1> [8]
		0.00	0.00	1	Cancel_Booking <cycle 1> [9]

				3	menu <cycle 1> [4]
[3]	0.0	0.00	0.00	3	Bill <cycle 1> [3]
				2	menu <cycle 1> [4]
				1	invoice <cycle 1> [11]

				1	place_order <cycle 1> [13]
				2	Bill <cycle 1> [3]
[4]	0.0	0.00	0.00	3	menu <cycle 1> [4]
				3	Bill <cycle 1> [3]

				1	Cancel_Booking <cycle 1> [9]
		0.00	0.00	1/1	main [108]
[5]	0.0	0.00	0.00	2	Welcome_Page <cycle 1> [5]
		0.00	0.00	1/1	Admin_Page [6]
				1	User_Registration_Page <cycle 1> [10]

		0.00	0.00	1/1	Welcome_Page <cycle 1> [5]
[6]	0.0	0.00	0.00	1	Admin_Page [6]
		0.00	0.00	1/1	Admin_authentication [7]
		0.00	0.00	1/1	print_invoice [14]
		0.00	0.00	1/1	view_bookings [17]

		0.00	0.00	1/1	Admin_Page [6]
[7]	0.0	0.00	0.00	1	Admin_authentication [7]

		0.00	0.00	1/1	Admin_Page [6]
[7]	0.0	0.00	0.00	1	Admin_authentication [7]
				1	invoice <cycle 1> [11]
[8]	0.0	0.00	0.00	1	Booking <cycle 1> [8]
		0.00	0.00	1/1	save_booking_details [15]
				1	Cancel_Booking <cycle 1> [9]
				1	Booking <cycle 1> [8]
[9]	0.0	0.00	0.00	1	Cancel_Booking <cycle 1> [9]
				1	Welcome_Page <cycle 1> [5]
				1	Welcome_Page <cycle 1> [5]
[10]	0.0	0.00	0.00	1	User_Registration_Page <cycle 1> [10]
				1	options <cycle 1> [12]
				1	Bill <cycle 1> [3]
[11]	0.0	0.00	0.00	1	invoice <cycle 1> [11]
		0.00	0.00	1/1	save_details [16]
				1	Booking <cycle 1> [8]
				1	User_Registration_Page <cycle 1> [10]
[12]	0.0	0.00	0.00	1	options <cycle 1> [12]
				1	place_order <cycle 1> [13]
				1	options <cycle 1> [12]
[13]	0.0	0.00	0.00	1	place_order <cycle 1> [13]
				1	menu <cycle 1> [4]
		0.00	0.00	1/1	Admin_Page [6]
[14]	0.0	0.00	0.00	1	print_invoice [14]
		0.00	0.00	1/1	Booking <cycle 1> [8]
[15]	0.0	0.00	0.00	1	save_booking_details [15]
		0.00	0.00	1/1	invoice <cycle 1> [11]
[16]	0.0	0.00	0.00	1	save_details [16]
		0.00	0.00	1/1	Admin_Page [6]
[17]	0.0	0.00	0.00	1	view_bookings [17]

This table describes the call tree of the program, and was sorted by the total amount of time spent in each function and its children.

Each entry in this table consists of several lines. The line with the index number at the left hand margin lists the current function. The lines above it list the functions that called this function,

The lines above it list the functions that called this function, and the lines below it list the functions this one called.

This line lists:

index	A unique number given to each element of the table. Index numbers are sorted numerically. The index number is printed next to every function name so it is easier to look up where the function is in the table.
% time	This is the percentage of the `total' time that was spent in this function and its children. Note that due to different viewpoints, functions excluded by options, etc, these numbers will NOT add up to 100%.
self	This is the total amount of time spent in this function.
children	This is the total amount of time propagated into this function by its children.
called	This is the number of times the function was called. If the function called itself recursively, the number only includes non-recursive calls, and is followed by a `+' and the number of recursive calls.
name	The name of the current function. The index number is printed after it. If the function is a member of a cycle, the cycle number is printed between the function's name and the index number.

For the function's parents, the fields have the following meanings:

self	This is the amount of time that was propagated directly from the function into this parent.
children	This is the amount of time that was propagated from the function's children into this parent.
called	This is the number of times this parent called the function `/' the total number of times the function was called. Recursive calls to the function are not included in the number after the `/'.
name	This is the name of the parent. The parent's index number is printed after it. If the parent is a member of a cycle, the cycle number is printed between the name and the index number.

If the parents of the function cannot be determined, the word `' is printed in the `name' field, and all the other

```

        the name and the index number.

If the parents of the function cannot be determined, the word
`<spontaneous>' is printed in the `name' field, and all the other
fields are blank.

For the function's children, the fields have the following meanings:

    self      This is the amount of time that was propagated directly
               from the child into the function.

    children  This is the amount of time that was propagated from the
               child's children to the function.

    called    This is the number of times the function called
               this child `/' the total number of times the child
               was called. Recursive calls by the child are not
               listed in the number after the `/'.

    name      This is the name of the child. The child's index
               number is printed after it. If the child is a
               member of a cycle, the cycle number is printed
               between the name and the index number.

If there are any cycles (circles) in the call graph, there is an
entry for the cycle-as-a-whole. This entry shows who called the
cycle (as parents) and the members of the cycle (as children.)
The `+' recursive calls entry shows the number of function calls that
were internal to the cycle, and the calls entry for each member shows,
for that member, how many times it was called from other members of
the cycle.

Copyright (C) 2012-2017 Free Software Foundation, Inc.

Copying and distribution of this file, with or without modification,
are permitted in any medium without royalty provided the copyright
notice and this notice are preserved.

Index by function name

    [6] Admin_Page           [5] Welcome_Page           [15] save_booking_details
    [7] Admin_authentication [11] invoice              [16] save_details
    [3] Bill                 [4] menu                  [17] view_bookings
    [8] Booking              [12] options              [1] <cycle 1>
    [9] Cancel_Booking       [13] place_order
    [10] User_Registration_Page [14] print_invoice

● PS C:\Users\AMAN\Desktop\final pp project> gprof a.exe gmon.out > profilingreport.txt

```

5 GBD Activities

```

PS C:\Users\AMAN> gcc -g profile.c
PS C:\Users\AMAN> gdb ./a.exe
GNU gdb (GDB) 7.6.1
Copyright (C) 2013 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law. Type "show copying"
and "show warranty" for details.
This GDB was configured as "mingw32".
For bug reporting instructions, please see:
<http://www.gnu.org/software/gdb/bugs/>...
Reading symbols from C:\Users\AMAN\profile.exe...done.
(gdb) break = 90
Function "= 90" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 1 (= 90) pending.
(gdb) b=97
Function "=97" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 2 (=97) pending.
(gdb) b
No default breakpoint address now.
(gdb) b=119
Function "=119" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 3 (=119) pending.
(gdb) b=235
(gdb) b=357
Function "=357" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 9 (=357) pending.
(gdb) b=386
Function "=386" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 10 (=386) pending.
(gdb) b=402
Function "=402" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 11 (=402) pending.
(gdb) b=418
Function "=418" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 12 (=418) pending.
(gdb) b=656
Function "=656" not defined.
(gdb) b=656
Function "=656" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 13 (=656) pending.
(gdb) b=676
Function "=676" not defined.
Make breakpoint pending on future shared library load? (y or [n]) y
Breakpoint 14 (=676) pending.
(gdb) run

```

1

[illegible]


```

printf("Enter your choice by entering the serial number of city : ");
int city\_choice;
scanf("%d",&city\_choice);
City\_choice(city\_choice); //calling of function —> City\_choice(city\_choice)
}
void City\_choice(int city\_choice){
    switch (city\_choice){
        //HERE SWITCH CASE IS USED TO CALL THE CORRESPONDING OPTION DEPENDING ON THE ADMIN CHOICE
        case 1 : {
            INDORE();
            break; // break statement is used to terminate switch statement execution,
        }
        case 2 : {
            BHOPAL();
            break; // break statement is used to terminate switch statement execution,
        }
        case 3 : {
            MUMBAI();
            break; // break statement is used to terminate switch statement execution,
        }
    }
}
void INDORE(){
    system("cls"); //this is the function which is defined in stlib.h and it is used to clear terminal screen
    printf("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n");
    printf("::      ~> Please select restaurant below list:      ::\n");
    printf("::\n");
    printf("::          Name of Restaurant          Ratings          ::\n");
    printf("::\n");
    printf("::          1.Kebabsville                **              ::\n");
    printf("::          2.Ginger Ganesha              ***             ::\n");
    printf("::          3.Shree Chotiwalla            *               ::\n");
    printf("::          4.Village                     **              ::\n");
    printf("::          5.Vidorra                     *               ::\n");
    printf("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n\n");
    //getchar();
    printf("Enter your choice by entering the serial number of restaurant : \n");
    int restaurant\_name;
    scanf("%d",&restaurant\_name);
    if (option == 1)
    INDORE\_info(restaurant\_name); //calling of function —> INDORE\_info
    printf("\n\n");
}
void BHOPAL(){
    system("cls"); //this is the function which is defined in stlib.h and it is used to clear terminal screen
    printf("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n");
    printf("::      ~> Please select restaurant below list:      ::\n");
    printf("::\n");
    printf("::          Name of Restaurant          Ratings          ::\n");
    printf("::\n");
    printf("::          1.Manohar                     **              ::\n");
    printf("::          2.Cafe Chokolade               **             ::\n");
    printf("::          3.Greek Food & Beyond          *               ::\n");
    printf("::          4.Bapu Ki Kutia               **              ::\n");
    printf("::          5.Al-Beik                     ***             ::\n");
    printf("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n\n");
    //getchar();
    printf("Enter your choice by entering the serial number of restaurant : \n");
    int restaurant\_name;
    scanf("%d",&restaurant\_name);
    if (option == 1)
    BHOPAL\_info(restaurant\_name); //calling of function —> BHOPAL\_info
    printf("\n\n");
}
void MUMBAI(){
    system("cls"); //this is the function which is defined in stlib.h and it is used to clear terminal screen
    printf("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n");
    printf("::      ~> Please select restaurant below list:      ::\n");
    printf("::\n");
    printf("::          Name of Restaurant          Ratings          ::\n");
    printf("::\n");
    printf("::          1.Bayroute Restaurant         **              ::\n");
    printf("::          2. Hakkasan                   ***             ::\n");
    printf("::          3.Dome Intercontinental        *               ::\n");
    printf("::          4.Yauatcha Restaurant         **              ::\n");
    printf("::          5.Pali Village cafe           *               ::\n");
    printf("::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::::\n\n");
    //getchar();
    printf("Enter your choice by entering the serial number of restaurant : \n");
    scanf("%d",&restaurant\_name);

```

[illegible]


```

        break; // break statement is used to terminate switch statement execution ,
case 19:
    price = 180 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 20:
    price = 195 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 21:
    price = 130 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 22:
    price = 130 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 23:
    price = 85 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 24:
    price = 100 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 25:
    price = 90 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 26:
    price = 140 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 27:
    price = 130 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 28:
    price = 140 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 29:
    price = 130 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 30:
    price = 170 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 31:
    price = 55 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 32:
    price = 55 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 33:
    price = 45 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 34:
    price = 45 * quantity;
    break; // break statement is used to terminate switch statement execution ,
}

float gst = (price * gstRate) / 100;
float total = price + gst;
grandTotal += total;
int add;
printf("DO YOU WANT TO ADD MORE ITEMS TO YOUR CART YES = 1 / NO = 0 or press any other key to return to main menu :");
scanf("%d", &add);
switch(add){
    case 0:{
        invoice();
        break; // break statement is used to terminate switch statement execution ,
    }
    case 1: {
        menu();
        break; // break statement is used to terminate switch statement execution ,
    }
}
}

//defining of the function invoice()
void invoice(){
    system("cls"); //this is the function which is defined in stlib.h and it is used to clear terminal screen
    printf("***** : ) YOUR INVOICE ( : *****\n\n\n");

    printf("Customer Name      : %s\n\n", user1.User\_Name);
    printf("Customer Address : %s\n\n", user1.User\_address);
    printf("Contact Details : %lu\n\n", user1.User\_contactdetails);
    printf("Email-id        : %s\n\n", user1.User\_emial\_id);
    printf("Item name          Quantity      \n\n");
    for (int i = 0; i < count; i++)
    {
        printf("          %s —————> %d-only\n\n ", menu\_array[item\_array[i]], quantity\_array[i]);
    }
    printf("-----\n\n");
    printf("Total                :    %3f Rs/- Only\n\n\n", grandTotal);
}

```

```

        printf("***** Thank you! Do visit again :) ***** ");
        printf("\nPress any key to continue...");
        //getch(); //Here //getch will take any character input and then this function will be terminated and the next line of the
        save\_details(); //calling of function —> save\_details()
        exit(0); //exit(0) this function is used to successfully terminate and exit from the program
    }
    void save\_details(){
        FILE * FILE\_Pointer; //creation of file pointer
        FILE\_Pointer = fopen("invoice.txt", "a+"); //opening the file invoice.txt in append plus mode and assigning it to file pointer
        /* Write data to file */
        fprintf(FILE\_Pointer,"***** : YOUR INVOICE (: *****");

        fprintf(FILE\_Pointer,"Customer Name : %s\n\n", user1.User\_Name);
        fprintf(FILE\_Pointer,"Customer Address : %s\n\n", user1.User\_address);
        fprintf(FILE\_Pointer,"Contact Details : %lu\n\n", user1.User\_contactdetails);
        fprintf(FILE\_Pointer,"Email-id : %s\n\n", user1.User\_emial\_id);
        fprintf(FILE\_Pointer,"Item name Quantity \n\n");
        for (int i = 0; i < count; i++)
        {
            fprintf(FILE\_Pointer,"%s —> %d-only\n\n", menu\_array[item\_array[i]], quantity\_array[i]);
        }
        fprintf(FILE\_Pointer,"Total : %3f Rs/- Only\n\n\n", grandTotal);
        /* Close file to save file data */
        fclose(FILE\_Pointer);
    }
    void Booking(){
        system("cls"); //this is the function which is defined in stlib.h and it is used to clear terminal screen
        printf("Here is the list of vacant and occupied tables\n\n");
        /*using the for loop to traverse through the array and check each value of element of array and print booked if it is 1 and
        for (int k = 0; k < 10; k++){
            if (Table\_array[k]==1){
                printf("Table no. %d is already Booked\n", k + 1);
            }
            else {
                printf("Table no. %d is vacant\n", k + 1);
            }
        }

        printf("Enter the table number of the table you want to book\n");
        scanf("%d", &Table\_no);
        Table\_array[Table\_no+1] = 1; /*assigning 1 to [Table\_no+1] of the array to mark it as booked */
        system("cls"); //this is the function which is defined in stlib.h and it is used to clear terminal screen
        printf(":::~::~\n");
        printf("Customer Name : %s\n\n", user1.User\_Name);
        printf("Contact Details : %lu\n\n", user1.User\_contactdetails);
        printf("Email-id : %s\n\n", user1.User\_emial\_id);
        printf("Congratulations table number %d successfully booked\n", Table\_no);
        printf(":::~::~\n");
        save\_booking\_details(); //calling of function —> save\_booking\_details()
        exit(0); //exit(0) this function is used to successfully terminate and exit from the program
    }
    void save\_booking\_details(){
        FILE * FILE\_Pointer; //creation of file pointer
        FILE\_Pointer = fopen("booking.txt", "a+"); //opening the file booking.txt in append plus mode and assigning it to file pointer
        /* Write data to file */
        fprintf(FILE\_Pointer,":::~::~\n");
        fprintf(FILE\_Pointer,"Customer Name : %s\n\n", user1.User\_Name);
        fprintf(FILE\_Pointer,"Contact Details : %lu\n\n", user1.User\_contactdetails);
        fprintf(FILE\_Pointer,"Email-id : %s\n\n", user1.User\_emial\_id);
        fprintf(FILE\_Pointer,"Congratulations table number %d successfully booked\n", Table\_no);
        fprintf(FILE\_Pointer,":::~::~\n");
        /* Close file to save file data */
        fclose(FILE\_Pointer);
    }
    void Cancel\_Booking(){
        int cancel;
        system("cls"); //this is the function which is defined in stlib.h and it is used to clear terminal screen
        printf("Enter table number to cancel your booking \n\n");
        scanf("%d", &cancel);
        Table\_array[cancel+1] = 0; /*assigning 0 to [cancel+1] of the array to mark it as vacant */
        system("cls"); //this is the function which is defined in stlib.h and it is used to clear terminal screen
        printf(":::~::~\n\n");
        printf("Customer Name : %s\n\n", user1.User\_Name);
        printf("Contact Details : %lu\n\n", user1.User\_contactdetails);
        printf("Email-id : %s\n\n", user1.User\_emial\_id);
        printf("Your booking for table number %d successfully canceled\n\n", cancel);
        printf(":::~::~\n");
        exit(0); //exit(0) this function is used to successfully terminate and exit from the program
    }
    void print\_invoice(){
        FILE *file\_pointer; //creation of file pointer
        file\_pointer = fopen("invoice.txt", "r+"); //opening the file invoice.txt in read plus mode and assigning it to file pointer
        char c; //declaration of char c to read data from the file

```

```

c = fgetc(file\_pointer); //fgetc is used to fetch data from the file
/*while loop is used it will print data until the eof occurs*/
while (c != EOF)
{
    printf("%c", c);
    c = fgetc(file\_pointer);
}
/* Close file to save file data */
fclose(file\_pointer);
exit(0); //exit(0) this function is used to successfully terminate and exit from the program
}
void view\_bookings(){
    FILE *file1\_pointer; //creation of file pointer
    file1\_pointer = fopen("booking.txt", "r+"); //opening the file booking.txt in read plus mode and assigning it to file pointer
    char c; //declaration of char c to read data from the file
    c = fgetc(file1\_pointer); //fgetc is used to fetch data from the file
    /*while loop is used it will print data until the eof occurs*/
    while (c != EOF)
    {
        printf("%c", c);
        c = fgetc(file1\_pointer);
    }
    fclose(file1\_pointer); /* Close file to save file data */
    exit(0); //exit(0) this function is used to successfully terminate and exit from the program
}

```

7 Code with Comment in C++ Language

```
/*adding all the necessary header files*/
#include <iostream>
#include <cstring>

/*Declaration of class*/
class User
{
private:
    char User_Name[20];
    long long User_contactdetails;
    char User_address[50];
    char User_email_id[30];

public:
    /*Declaration of the other variables */
    int Table_no;
    int gstRate;
    int item;
    int quantity;
    float grandTotal;
    int restaurant_name;
    int option;
    int count = 0;

    /*Declaration of all the necessary functions */
    void save_booking_details();
    void Booking();
    void Cancel_Booking();
    void menu();
    void BHOPAL_info(int restaurant_name);
    void MUMBAI_info(int restaurant_name);
    void INDORE_info(int restaurant_name);
    void City_choice(int);
    void city_display();
    void place_order();
    int Admin_authentication();
    void Admin_Page();
    void User_Registration_Page();
    void INDORE();
    void BHOPAL();
    void MUMBAI();
    void options();
    void save_details();
    void invoice();
    void Bill();
    void print_invoice();
    void Welcome_Page();
    void view_bookings();
} user1; /*Declaration of variable of class type*/

/*Declaration of array to store data*/
char food_name[50];
int item_array[31] = {0};
int quantity_array[35] = {0};
int Table_array[10] = {0};
char menu_array[][35] = {"Nothing Selected", "Paneer Angara", "Paneer Pasaasda", "Paneer Lababdar", "Paneer Tawa Masala", "Pan"}

int main()
{
    std ::cout << "Welcome to restaurant booking and food odering system developed by Aman Bagadiya";
    user1.gstRate = 18; // default gst rates
    user1.Welcome_Page(); // calling of function ———> Welcome_Page();
}

// defining of the function Welcome_Page
void User ::Welcome_Page()
{
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    int Login_option; // defining of the variable
    std :: cout<<"\t\t\t\t\tWelcome to Restaurant Booking and Food odering system developed by Aman Bagadiya under the guidance\n";
    std :: cout<<"\t\t\t\t\t-----\n";
    std :: cout<<"\t\t\t\t\t:::~::~:\n";
    std :: cout<<"\t\t\t\t\t:: THIS MINI PROJECT AIMS TO PERFORM VARIOUS FUNCTIONS ::\n";
    std :: cout<<"\t\t\t\t\t:::~::~:\n\n";
    std :: cout<<"\t\t\t\t\tA.USER FUNCTIONS :\n";
    std :: cout<<"\t\t\t\t\t-> ORDER FOOD :\n";
    std :: cout<<"\t\t\t\t\t-> BOOK TABLE AT RESTAURANT :\n";
    std :: cout<<"\t\t\t\t\t-> CANCEL BOOKING :\n";
    std :: cout<<"\t\t\t\t\t-> GET INFORMATION ABOUT RESTAURANT : \n\n";
    std :: cout<<"\t\t\t\t\tB.ADMIN FUNCTIONS :\n";
    std :: cout<<"\t\t\t\t\t-> ADMIN AUTHENTICATION :\n";
```

[illegible]


```
{
    std ::cout << "Sorry You Have Entered Wrong Credentials.\n";
    std ::cout << "Try Again\n";
    return 0;
}
else
{
    return 1; // if admin is successfully verified it will return 1
}
}

void User ::User_Registration_Page()
{
    // defining of the function User_Registration_Page()
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std ::cout << "Enter Your Name\n";
    fflush(stdin); // it is used to clear the buffer
    gets(user1.User_Name);
    std ::cout << "Enter Your Phone Number\n";
    std ::cin >> user1.User_contactdetails;
    std ::cout << "Enter Your Email-id\n";
    fflush(stdin); // it is used to clear the buffer
    gets(user1.User_email_id);
    std ::cout << "Enter Address\n";
    fflush(stdin); // it is used to clear the buffer
    gets(user1.User_address);
    std ::cout << "Your details registered successfully\n";
    options(); // calling of function —> options
}

void User ::options()
{
    do
    {
        system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
        std ::cout << "\n                                     :~::~:" ;
        std ::cout << "\n                                     ::          !!!!!!!!welcome!!!!!!!!!!!!!!           ::" ;
        std ::cout << "\n                                     ::                                           ::" ;
        std ::cout << "\n                                     ::      ~> Please select from below options:         ::" ;
        std ::cout << "\n                                     ::                                           ::" ;
        std ::cout << "\n                                     ::          1.Get Information About Restaurant :>       ::" ;
        std ::cout << "\n                                     ::          2.Order Food:>                         ::" ;
        std ::cout << "\n                                     ::          3.Book table:>                       ::" ;
        std ::cout << "\n                                     ::          4.Cancel your Booking:>              ::" ;
        std ::cout << "\n                                     ::          5.Exit:>                           ::" ;
        std ::cout << "\n                                     :~::~:\ n\n";
        std ::cout << "PLEASE SELECT FROM THE ABOVE OPTIONS:\n";
        std ::cin >> option;
        // HERE SWITCH CASE IS USED TO CALL THE CORRESPONDING OPTION DEPENDING ON THE ADMIN CHOICE
        switch (option)
        {
            case 1:
                city_display();
                break; // break statement is used to terminate switch statement execution ,
            case 2:
                place_order();
                break; // break statement is used to terminate switch statement execution ,
            case 3:
                {
                    city_display();
                    Booking();
                }
            case 4:
                {
                    city_display();
                    Cancel_Booking();
                }
            case 5:
                {
                    std ::cout << "\nExiting...\n";
                    exit(0); // exit(0) this function is used to successfully terminate and exit from the program
                }
            default:
                {
                    std ::cout << "Please Enter A Valid Choice";
                }
        }
    } while (1);
}

void User ::place_order()
{
    city_display();
    menu();
}
```

```
void User ::city_display()
{
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std::cout << "::::::::::::::::::::::::::::::::::::\n";
    std::cout << "::~\n";
    std::cout << "::~ ~ Please select your city from below list: ::\n";
    std::cout << "::~\n";
    std::cout << ">::> 1.INDORE ::\n";
    std::cout << ">::>> 2.BHOPAL ::\n";
    std::cout << ">::>>> 3.MUMBAI ::\n";
    std::cout << "::~\n";
    std::cout << ">::\n";
    std::cout << ">::\n";
    std::cout << ">::\n";
    std::cout << "::::::::::::::::::::::::::::::::::::\n\n";
    getchar();
    std::cout << "Enter your choice by entering the serial number of city : ";
    int city_choice;
    std::cin >> city_choice;
    City_choice(city_choice); // calling of function ———> City_choice(city_choice)
}

void User ::City_choice(int city_choice)
{
    switch (city_choice)
    {
        // HERE SWITCH CASE IS USED TO CALL THE CORRESPONDING OPTION DEPENDING ON THE ADMIN CHOICE
        case 1:
        {
            INDORE();
            break; // break statement is used to terminate switch statement execution ,
        }
        case 2:
        {
            BHOPAL();
            break; // break statement is used to terminate switch statement execution ,
        }
        case 3:
        {
            MUMBAI();
            break; // break statement is used to terminate switch statement execution ,
        }
    }
}

void User ::INDORE()
{
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std::cout << "::::::::::::::::::::::::::::::::::::\n";
    std::cout << "::~ ~> Please select restaurant below list: ::\n";
    std::cout << "::~\n";
    std::cout << "::- Name of Restaurant Ratings ::\n";
    std::cout << "::-\n";
    std::cout << ">:: 1.Kebabsville ** ::\n";
    std::cout << ">:: 2.Ginger Ganesha *** ::\n";
    std::cout << ">:: 3.Shree Chotiwalla * ::\n";
    std::cout << ">:: 4.Village ** ::\n";
    std::cout << ">:: 5.Vidorra * ::\n";
    std::cout << "::::::::::::::::::::::::::::::::::::\n\n";
    getchar();
    std::cout << "Enter your choice by entering the serial number of restaurant : \n";
    int restaurant_name;
    std::cin >> restaurant_name;
    if (option == 1)
        INDORE.info(restaurant_name); // calling of function ———> INDORE.info
    std::cout << "\n\n";
}

void User ::BHOPAL()
{
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std::cout << "::::::::::::::::::::::::::::::::::::\n";
    std::cout << "::~ ~> Please select restaurant below list: ::\n";
    std::cout << "::~\n";
    std::cout << "::- Name of Restaurant Ratings ::\n";
    std::cout << "::-\n";
    std::cout << ">:: 1.Manohar ** ::\n";
    std::cout << ">:: 2.Cafe Chokolade ** ::\n";
    std::cout << ">:: 3.Greek Food & Beyond * ::\n";
    std::cout << ">:: 4.Bapu Ki Kutia ** ::\n";
    std::cout << ">:: 5.Al-Beik *** ::\n";
    std::cout << "::::::::::::::::::::::::::::::::::::\n\n";
    getchar();
```

```
std ::cout << "Enter your choice by entering the serial number of restaurant : \n";  
int restaurant_name;  
std ::cin >> restaurant_name;  
if (option == 1)  
    BHOPAL_info(restaurant_name); // calling of function —> BHOPAL_info  
std ::cout << "\n\n";  
  
}  
  
void User ::MUMBAI()  
{  
system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen  
std ::cout << "::::::::::::::::::\n";  
std ::cout << ":: ~> Please select restaurant below list::\n";  
std ::cout << "::\n";  
std ::cout << "::      Name of Restaurant          Ratings           :\n";  
std ::cout << "::\n";  
std ::cout << "::     1.Bayroute Restaurant        **              :\n";  
std ::cout << "::     2. Hakkasan                  ***             :\n";  
std ::cout << "::     3.Dome Intercontinental       *               :\n";  
std ::cout << "::     4.Yauatcha Restaurant         **              :\n";  
std ::cout << "::     5.Pali Village cafe          *                :\n";  
std ::cout << "::\n";  
getchar();  
std ::cout << "Enter your choice by entering the serial number of restaurant : \n";  
  
std ::cin >> restaurant_name;  
if (option == 1)  
    MUMBAI_info(restaurant_name); // calling of function —>   MUMBAI_info  
std ::cout << "\n\n";  
  
}  
  
void User ::INDORE.info(int restaurant_name)  
{  
system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen  
switch (restaurant_name)  
{  
case 1:  
{  
std ::cout << "LOCATION : Sayaji Indore , H/1 , Scheme No.54, Vijay Nagar, Indore , Madhya Pradesh – 452010\n\nPHONE :0732-2698527\n";  
exit(0); // break statement is used to terminate switch statement execution,  
}  
case 2:  
{  
std ::cout << "LOCATION LG–12,13, DM Tower, 21/1, Lala Banarasilal Dawar Marg, Race Course Road, Near Zanjeerwala Chowk,\nIndore , Madhya Pradesh 452001, India\n\nPHONE: +91-731-4002222\n";  
exit(0); // break statement is used to terminate switch statement execution,  
}  
case 3:  
{  
std ::cout << "LOCATION: 8 B, Raunak Plaza , Opposite Nath Mandir, South Tukoganj, Indore , Madhya Pradesh 452001, India\nOne of the most popular eating joints in the city , Shree Chotiwalla serves you with delicious veg Indian food . The wide variety of cuisines are available here .  
For more information call us at 0732-2698527 or visit our website www.shreechotiwallaindore.com.\n";  
exit(0); // break statement is used to terminate switch statement execution,  
}  
case 4:  
{  
std ::cout << "LOCATION: 5th Floor , Central Mall, RNT Marg, Indore , Madhya Pradesh 452001, India\n\nPHONE: +91-731-4002222\n";  
exit(0); // break statement is used to terminate switch statement execution,  
}  
case 5:  
{  
std ::cout << "LOCATION : New Palasia , Indore\n\nCONTACT DETAILS:12345678 \n\nMORE INFORMATION :CUISINES Indian , Asian , Continental , Italian , Chinese , Thai , Japanese , Korean , Vietnamese , African , Latin American , Mediterranean , Middle Eastern , European , North American , South American , Caribbean , Pacific Island , etc .\n";  
exit(0); // break statement is used to terminate switch statement execution,  
}  
}  
std ::cout << "\nPress any key to continue...";  
  
}  
  
void User ::BHOPAL_info(int restaurant_name)  
{  
system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen  
// HERE SWITCH CASE IS USED TO CALL THE CORRESPONDING OPTION DEPENDING ON THE USER CHOICE  
switch (restaurant_name)  
{  
case 1:  
{  
std ::cout << "132, Zone 1, Maharana Pratap Nagar, Bhopal\nStreet Food, South Indian , Fast Food, Desserts , North Indian Cuisine , Bakery , Etc .\n";  
break; // break statement is used to terminate switch statement execution,  
}  
case 2:  
{  
std ::cout << "\n206, Zone 2, Near Arya Bhavan, Maharana Pratap Nagar, Bhopal,\nIndia Cafe, Bakery \n11 AM to 11 PM \n";  
break; // break statement is used to terminate switch statement execution,  
}  
case 3:  
{
```


[illegible]

```

        break; // break statement is used to terminate switch statement execution ,
case 30:
    price = 170 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 31:
    price = 55 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 32:
    price = 55 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 33:
    price = 45 * quantity;
    break; // break statement is used to terminate switch statement execution ,
case 34:
    price = 45 * quantity;
    break; // break statement is used to terminate switch statement execution ,
}

float gst = (price * gstRate) / 100;
float total = price + gst;
grandTotal += total;
int add;
std ::cout << "DO YOU WANT TO ADD MORE ITEMS TO YOUR CART YES = 1 / NO = 0 or press any other key to return to main menu :";
std ::cin >> add;
switch (add)
{
case 0:
{
    invoice();
    break; // break statement is used to terminate switch statement execution ,
}
case 1:
{
    menu();
    break; // break statement is used to terminate switch statement execution ,
}
}
}

// defining of the function invoice()
void User ::invoice()
{
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std ::cout << "***** : ) YOUR INVOICE ( : *****\n\n\n";

    std ::cout << "
                                Customer Name      : " << user1.User_Name << " \n\n";
    std ::cout << "
                                Customer Address   : " << user1.User_address << " \n\n";
    std ::cout << "
                                Contact Details    : " << user1.User_contactdetails << " \n\n";
    std ::cout << "
                                Email-id           : " << user1.User_email_id << " \n\n";
    std ::cout << "
                                Item name          Quantity      \n\n";
    for (int i = 0; i < count; i++)
    {
        std ::cout << "
                                " << menu_array[item_array[i]] << " —————> " << quantity_array[i] << "—only\n\n";
    }
    std ::cout << "—————\n\n";

    std ::cout << "
                                Total                : " << grandTotal << " Rs/- Only\n\n\n\n";

    std ::cout << "***** Thank you! Do visit again :) 1***** ";
    std ::cout << "\nPress any key to continue...";
    getchar(); //Here getch will take any character input and then this function will be terminated and the next line of the ca

    save_details(); // calling of function ———> save_details()
    exit(0); // exit(0) this function is used to successfully terminate and exit from the program
}

void User ::save_details()
{
    FILE *FILE_Pointer; // creation of file pointer
    FILE_Pointer = fopen("invoice.txt", "a+"); // opening the file invoice.txt in append plus mode and assigning it to file pointer
    /* Write data to file */
    fprintf(FILE_Pointer, "***** : ) YOUR INVOICE ( : *****\n\n\n");

    fprintf(FILE_Pointer, "
                                Customer Name      : %s\n\n", user1.User_Name);
    fprintf(FILE_Pointer, "
                                Customer Address   : %s\n\n", user1.User_address);
    fprintf(FILE_Pointer, "
                                Contact Details    : %lu\n\n", user1.User_contactdetails);
    fprintf(FILE_Pointer, "
                                Email-id           : %s\n\n", user1.User_email_id);
    fprintf(FILE_Pointer, "
                                Item name          Quantity      \n\n");
    for (int i = 0; i < count; i++)
    {
        fprintf(FILE_Pointer, "
                                %s —————> %d—only\n\n ", menu_array[item_array[i]], quantity_array[i]);
    }
    fprintf(FILE_Pointer, "—————
                                Total                :    %3f Rs/- Only\n\n\n\n", grandTotal);
    /* Close file to save file data */

```

```

        fclose(FILE_Pointer);
    }

void User ::Booking()
{
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std ::cout << "Here is the list of vacant and occupied tables\n\n";
    /*using the for loop to traverse through the array and check each value of element of array and print booked if it is 1 and
    for (int k = 0; k < 10; k++)
    {
        if (Table_array[k] == 1)
        {
            std ::cout << "Table no. " << k + 1 << " is already Booked\n";
        }
        else
        {
            std ::cout << "Table no. " << k + 1 << " is vacant\n";
        }
    }

    std ::cout << "Enter the table number of the table you want to book\n";
    std ::cin >> Table_no;
    Table_array[Table_no + 1] = 1; /*assigning 1 to [Table_no+1] of the array to mark it as booked */
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std ::cout << "
    ..... \n";
    std ::cout << "Customer Name : " << user1.User_Name << "\n\n";
    std ::cout << "Contact Details : " << user1.User_contactdetails << "\n\n";
    std ::cout << "Email-id : " << user1.User_email_id << "\n\n";
    std ::cout << "Congratulations table number " << Table_no << " successfully booked\n";
    std ::cout << "
    ..... \n";
    save_booking_details(); // calling of function —> save_booking_details()
    exit(0); // exit(0) this function is used to successfully terminate and exit from the program
}

void User ::save_booking_details()
{
    FILE *FILE_Pointer; // creation of file pointer
    FILE_Pointer = fopen("booking.txt", "a+"); // opening the file booking.txt in append plus mode and assigning it to file pointer
    /* Write data to file */
    fprintf(FILE_Pointer, "
    ..... \n");
    fprintf(FILE_Pointer, "Customer Name : %s\n\n", user1.User_Name);
    fprintf(FILE_Pointer, "Contact Details : %lu\n\n", user1.User_contactdetails);
    fprintf(FILE_Pointer, "Email-id : %s\n\n", user1.User_email_id);
    fprintf(FILE_Pointer, "Congratulations table number %d successfully booked\n", Table_no);
    fprintf(FILE_Pointer, "
    ..... \n");
    /* Close file to save file data */
    fclose(FILE_Pointer);
}

void User ::Cancel_Booking()
{
    int cancel;
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std ::cout << "Enter table number to cancel your booking \n\n";
    std ::cin >> cancel;
    Table_array[cancel + 1] = 0; /*assigning 0 to [cancel+1] of the array to mark it as vacant */
    system("cls"); // this is the function which is defined in stlib.h and it is used to clear terminal screen
    std ::cout << "
    ..... \n\n";
    std ::cout << "Customer Name : " << user1.User_Name << "\n\n";

    std ::cout << "Contact Details : " << user1.User_contactdetails << "\n\n";
    std ::cout << "Email-id : " << user1.User_email_id << "\n\n";
    std ::cout << "Your booking for table number " << cancel << " successfully canceled\n\n";
    std ::cout << "
    ..... \n";
    exit(0); // exit(0) this function is used to successfully terminate and exit from the program
}

void User ::print_invoice()
{
    FILE *file_pointer; // creation of file pointer
    file_pointer = fopen("invoice.txt", "r+"); // opening the file invoice.txt in read plus mode and assigning it to file pointer
    char c; // declaration of char c to read data from the file
    c = fgetc(file_pointer); // fgetc is used to fetch data from the file
    /*while loop is used it will print data until the eof occurs*/
    while (c != EOF)
    {
        std ::cout << c;
        c = fgetc(file_pointer);
    }
    /* Close file to save file data */
    fclose(file_pointer);
    exit(0); // exit(0) this function is used to successfully terminate and exit from the program
}

void User ::view_bookings()
{
    FILE *file1_pointer; // creation of file pointer
    file1_pointer = fopen("booking.txt", "r+"); // opening the file booking.txt in read plus mode and assigning it to file pointer

```

```

char c;                                     // declaration of char c to read data from the file
c = fgetc(file1_pointer);                  // fgetc is used to fetch data from the file
/*while loop is used it will print data until the eof occurs*/
while (c != EOF)
{
    std ::cout << c;
    c = fgetc(file1_pointer);
}
fclose(file1_pointer); /* Close file to save file data */
exit(0);                // exit(0) this function is used to successfully terminate and exit from the program
}

```


8 Code Output

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

Login:
For User login press 1:
For Admin login press 2:
To exit press 0:
1

::: THIS MINI PROJECT AIMS TO PERFORM VARIOUS FUNCTIONS :::
:::
A.USER FUNCTIONS :
-> ORDER FOOD :
-> BOOK TABLE AT RESTAURANT :
-> CANCELL BOOKING :
-> GET INFORMATION ABOUT RESTAURANT :

B.ADMIN FUNCTIONS :
-> ADMIN AUTHENTICATION :
-> SET/UPDATE GST RATES :
-> GENERATE INVOICE :
-> VIEW ALL INVOICES :
-> VIEW ALL BOOKINGS :

:::!!!!!!!!!!!!!!welcome!!!!!!!!!!!!!!:::
::
:: ~> Please select from below options:
::
:: 1.Get Information About Restaurant :>
:: 2.Order Food:>
:: 3.Book table:>
:: 4.Cancel your Booking:>
:: 5.Exit:>
:::

PLEASE SELECT FROM THE ABOVE OPTIONS:
1

:::
:: ~ Please select your city from below list:
::
:: > 1.INDORE
:: >> 2.BHOPAL
:: >>> 3.MUMBAI
::
::
::
:::

Enter your choice by entering the serial number of city : 1

:::
:: ~> Please select restaurant below list:
::
:: Name of Restaurant Ratings
::
:: 1.Kebabsville **
:: 2.Ginger Ganesha ***
:: 3.Shree Chotiwalla *
:: 4.Village **
:: 5.Vidorra *
::
:::

Enter your choice by entering the serial number of restaurant :
3

21 Cheese Garlic Bread.....130
22 Chesse Corn Chilly Toast.....130
23 Veg. Cutlet .....85
24 Aloo Tikki .....100
25 Veg. Cheese Sandwich .....90
SOUTH INDIAN
26 Mysore Masala Dosa.....140
27 Mysore Plain Dosa.....130
28 Hyderabadi Masala Dosa .....140
29 Hyderabadi Plain Dosa .....130
*DESSERTS & SWEETS
30 Sunday Special Ice-cream.....170
31 Almond Carnival Ice-cream .....55
32 Kesar Pista Ice-cream .....55
33 Kaju Draksh Ice-cream.....45
34 Butter Scotch Ice-cream.....45

:::
ENTER THE S.NO. OF THE ITEM FROM THE ABOVE LIST :
12
ENTER THE QUANTITY:
3
```

```

22 Chesse Corn Chilly Toast.....130
23 Veg. Cutlet .....85
24 Aloo Tikki .....100
25 Veg. Cheese Sandwich .....90
SOUTH INDIAN
26 Mysore Masala Dosa.....140
27 Mysore Plain Dosa.....130
28 Hyderabadi Masala Dosa .....140
29 Hyderabadi Plain Dosa .....130
*DESSERTS & SWEETS
30 Sunday Special Ice-cream.....170
31 Almond Carnival Ice-cream .....55
32 Kesar Pista Ice-cream .....55
33 Kaju Draksh Ice-cream.....45
34 Butter Scotch Ice-cream.....45

```

```

::::::::::::::::::::::::::::::::::::

```

```

ENTER THE S.NO. OF THE ITEM FROM THE ABOVE LIST :

```

```

12

```

```

ENTER THE QUANTITY:

```

```

3

```

```

DO YOU WANT TO ADD MORE ITEMS TO YOUR CART YES = 1 / NO = 0 or press any other key to return to main menu :0

```

```

***** : ) YOUR INVOICE ( : *****

```

```

Customer Name      : Aman Bagadiya
Customer Address   : 79,pallhar nagar indore MP
Contact Details    : 2172204172
Email-id           : abagadiya702@gmail.com
Item name          : Quantity
Hariyali Nan -----> 3-only

```

```

-----
Total              : 276.119995 Rs/- Only

```

```

***** Thank you! Do visit again :) 1*****

```

```

Press any key to continue...

```

```

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  JUPYTER

```

```

Current GST rate 18 percent :
Press 1 to update GST rate:
Press 2 to view all Invoices :
Press 3 to view all Bookings :
To exit press 0:

```

```

2

```