

NEW GREEN FIELD SCHOOL, SAKET

COMPUTER SCIENCE

2021-2022 SESSION

PROJECT :

HOTEL MANAGEMENT SYSTEM

SUBMITTED TO :

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SUBMITTED BY :

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CLASS - XI – B

ROLL NO - 20

CONTENT

- ★ Certificate
- ★ Acknowledgement
- ★ Introduction
- ★ Programs
- ★ Outputs
- ★ Remark

CERTIFICATE

This is to certify that “Lavanya”, student of class XI-B has successfully completed her Computer Science Project on “ HOTEL MANAGEMENT SYSTEM ” under the guidance of Mrs. Vinita Ma’am.

ACKNOWLEDGEMENT

I would like to express my special thanks to my Computer Science Teacher Mrs. Vinita Ma'am who gave me guidance and helped me to know about this subject. I had made this project with utmost sincerity to complete it.

I am very thankful to all those people who helped me and guided me to make such a project.

I also thank my parents who have provided me all the resources required to make this project.

INTRODUCTION

This Project on Hotel Management System is a general software developed using Python to simplify hotel operations by automating them. In this project, “SUNSHINE” is the project’s Hotel name. It covers major aspects of Hotel Management, it could perform the following operations- Hotel Booking, Provide you with Hotel Rooms Info, Room Service, Billing and Record-Keeping. Some of the functions created are –

- Home () - Function to display the project’s main screen i.e. the home page of the project or you can say the main menu for selecting the desired operation to perform.
- Date(str) - Function to validate date entered by the user/customer.
- Booking () - Function for booking room in hotel by entering user/customer details.
- Room Info () - Function to provide users/customers with hotel rooms information (i.e. about room amenities).
- Restaurant () - Function for room service which provides user/customer with the

restaurant's menu card to order food at the room.

- Payment () - Function for payment of hotel room and restaurant bill generation at the time of check-out.
- Record () - Function for keeping records of customers stayed in the hotel.

In this project, we will see, how we can develop a Hotel Management System project using Python.

Let's Talk about the features of this simple Hotel Management System using Python, at first, the user has to enter his/her data/info. It includes the name of the user, phone number, address, check-in, check-out dates. Inside this part, there are four different varieties of rooms and prices respectively. They have to select their room type. This simple system also contains other functions such as calculating restaurant bills which the user/customer. When the user selects the room service, the system displays a small menu containing a lot of options of food. From there the user has to select food items and then the system displays the total restaurant bill spent by the user. The

other remaining features are displaying the room info, payment, hotel record.

Summary

Hotel Management System is an easy script that is created in Python programming language. This system teaches you how you can manage a hotel. So, let's begin; This Script has 5 modules-

- The first one is the “Room Info” module which gives the info about its different types of rooms.
- Second one is the “Booking” module which ask for the customer’s data/information and also tell the prices of different varieties of room. It also displays the room no allotted to the customer and give the customer an ID for ordering food items from the hotel.
- Third one is the “Room Service” module which ask for the customer ID given by the hotel and displays a menu of food items and \ the total bill of food after the customer select its menu.
- Fourth one is the “Payment” module which displays the mode of payment to be selected by the customer for payment.

➤ Fifth and the last one is the “Hotel Record” module which is this module display the name, phone number, address of the customer, check-in and check-out dates of the customer, room type chosen by the customer and that room’s price.

Now, let's see the coding part of the “hotel management system project using python with source code”.

PROGRAMS

Importing some module and
Declaring some empty lists.

Home Function which will give the customer some options.

cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs.practice.py (3.10.6)

File Edit Format Run Options Window Help

```
Booking()
elif ch == 3:
    print(" ")
    restaurant()
elif ch == 4:
    print(" ")
    Payment()
elif ch == 5:
    print(" ")
    Record()
else:
    exit()

def date(c):
    if c[2] >= 2019 and c[2] <= 2023:
        if c[1] != 0 and c[1] <= 12:
            if c[1] == 2 and c[0] != 0 and c[0] <= 31:
                if c[2]%4 == 0 and c[0] <= 29:
                    pass
                elif c[0]<29:
                    pass
                else:
                    print("Invalid date\n")
                    name.pop(i)
                    phno.pop(i)
                    add.pop(i)
                    checkin.pop(i)
                    checkout.pop(i)
                    Booking()
            elif c[1] <= 7 and c[1]%2 != 0 and c[0] <= 31:
                pass
            elif c[1] <= 7 and c[1]%2 == 0 and c[0] <= 30 and c[1] != 2:
                pass
            elif c[1] >= 8 and c[1]%2 == 0 and c[0] <= 31:
                pass
            elif c[1]>=8 and c[1]%2!=0 and c[0]<=30:
                pass
    else:
        print("Date is not valid")
```

Function for checking the accuracy of date

49°F 10:53 11-01-2023

Search ENG IN

Ln: 69 Col: 20

```
cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
    pass
else:
    print("Invalid date\n")
    name.pop(i)
    phno.pop(i)
    add.pop(i)
    checkin.pop(i)
    checkout.pop(i)
    Booking()
def Booking():
    global i
    print(" BOOKING ROOMS")
    print(" ")
    while 1:
        n = str(input("Name: "))
        p1 = str(input("Phone No.: "))
        a = str(input("Address: "))
        if n!="" and p1!="" and a!="":
            name.append(n)
            add.append(a)
            break
        else:
            print("\tName, Phone no. & Address cannot be empty..!!")
    cii=str(input("Check-In: "))
    checkin.append(cii)
    cii=cii.split("/")
    ci=ci[1]
    ci[0]=int(ci[0])
    ci[1]=int(ci[1])
    ci[2]=int(ci[2])
    date(ci)
    coo=str(input("Check-Out: "))
    checkout.append(coo)
    coo=coo.split("/")
    co=coo
    co[0]=int(co[0])
Ln: 104 Col: 24
49°F Fog Search File Explorer Microsoft Edge Microsoft Word Microsoft Excel Microsoft Powerpoint Microsoft OneNote Microsoft Paint Microsoft Snipping Tool 10:55 ENG IN 11-01-2023
```

Booking Function which will book the customer's desired room.

```
cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
    co=coo
    co[0]=int(co[0])
    co[1]=int(co[1])
    co[2]=int(co[2])
    if co[1]<ci[1] and co[2]<ci[2]:
        print("\n\tErr..!!\n\tCheck-Out date must fall after Check-In\n")
        name.pop(i)
        add.pop(i)
        checkin.pop(i)
        checkout.pop(i)
        Booking()
    elif co[1]==ci[1] and co[2]>ci[2] and co[0]<=ci[0]:
        print("\n\tErr..!!\n\tCheck-Out date must fall after Check-In\n")
        name.pop(i)
        add.pop(i)
        checkin.pop(i)
        checkout.pop(i)
        Booking()
    else:
        pass
    date(co)
    d1 = datetime.datetime(ci[2],ci[1],ci[0])
    d2 = datetime.datetime(co[2],co[1],co[0])
    d = (d2-d1).days
    day.append(d)
    print("----SELECT ROOM TYPE----")
    print(" 1. Standard Non-AC")
    print(" 2. Standard AC")
    print(" 3. 3-Bed Non-AC")
    print(" 4. 3-Bed AC")
    ch=int(input(" >"))
    if ch==1:
        room.append(Standard Non-AC)
        print("Room Type- Standard Non-AC")
        price.append(3500)
        print("Price- 3500")
Ln: 138 Col: 32
49°F Fog Search File Explorer Microsoft Edge Microsoft Word Microsoft Excel Microsoft Powerpoint Microsoft OneNote Microsoft Paint Microsoft Snipping Tool 10:56 ENG IN 11-01-2023
```

Here, the program will ask the customer to book a room.

```
cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
ch=int(input(" >"))
if ch==1:
    room.append("Standard Non-AC")
    print("Room Type- Standard Non-AC")
    price.append(3500)
    print("Price- 3500")
elif ch==2:
    room.append("Standard AC")
    print("Room Type- Standard AC")
    price.append(4000)
    print("Price- 4000")
elif ch==3:
    room.append("3-Bed Non-AC")
    print("Room Type- 3-Bed Non-AC")
    price.append(4500)
    print("Price- 4500")
elif ch==4:
    room.append("3-Bed AC")
    print("Room Type- 3-Bed AC")
    price.append(5000)
    print("Price- 5000")
else:
    print(" Wrong choice..!!")
rn = random.randrange(40)+300
cid = random.randrange(40)+10
while rn in roomno or cid in custid:
    rn = random.randrange(60)+300
    cid = random.randrange(60)+10
rc.append(0)
p.append(0)
if p1 not in phno:
    phno.append(p1)
elif p1 in phno:
    for n in range(0,i):
        if p1== phno[n]:
            if p[n]==1:
                phno.append(p1)
print("Phone no. already exists and payment yet not done..!!")
name.pop(i)
add.pop(i)
checkin.pop(i)
checkout.pop(i)
Booking()
print(" ")
print("\t\t\t\t****ROOM BOOKED SUCCESSFULLY****\n")
print("Room No. - ",rn)
print("Customer Id - ",cid)
roomno.append(rn)
custid.append(cid)
i=i+1
n=int(input("0-BACK\n >"))
if n==0:
    Home()
else:
    exit()
def Rooms_Info():
    print("----- HOTEL ROOMS INFO -----")
```

```
49°F Fog
10:56 11-01-2023 ENG IN 11-01-2023
```

```
File Edit Format Run Options Window Help
while rn in roomno or cid in custid:
    rn = random.randrange(60)+300
    cid = random.randrange(60)+10
rc.append(0)
p.append(0)
if p1 not in phno:
    phno.append(p1)
elif p1 in phno:
    for n in range(0,i):
        if p1== phno[n]:
            if p[n]==1:
                phno.append(p1)
elif p1 in phno:
    for n in range(0,i):
        if p1== phno[n]:
            if p[n]==0:
                print("\tPhone no. already exists and payment yet not done..!!")
                name.pop(i)
                add.pop(i)
                checkin.pop(i)
                checkout.pop(i)
                Booking()
print(" ")
print("\t\t\t\t****ROOM BOOKED SUCCESSFULLY****\n")
print("Room No. - ",rn)
print("Customer Id - ",cid)
roomno.append(rn)
custid.append(cid)
i=i+1
n=int(input("0-BACK\n >"))
if n==0:
    Home()
else:
    exit()
def Rooms_Info():
    print("----- HOTEL ROOMS INFO -----")
```

```
49°F Fog
10:57 11-01-2023 ENG IN 11-01-2023
```

Rooms Info Function

This will print the info of different types of rooms.

cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)

File Edit Format Run Options Window Help

```
if n==0:
    Home()
else:
    exit()
def restaurant():
    ph=int(input("Customer Id: "))
    global i
    f=0
    r=0
    for n in range(0,i):
        if custid[n]==ph and p[n]==0:
            f=1
            print("-----")
            print("          HOTEL SUNSHINE          ")
            print("-----")
            print("          MENU CARD           ")
            print("-----")
            print("          - - BEVARAGES - -      ")
            print("-----")
            print(" 1. Regular Tea..... 10.00 ")
            print(" 2. Masala Tea..... 15.00 ")
            print(" 3. Coffee..... 15.00 ")
            print(" 4. Cold Drink..... 15.00 ")
            print(" 5. Bread Butter..... 15.00 ")
            print(" 6. Bread Jam..... 15.00 ")
            print(" 7. Veg. Sandwich..... 20.00 ")
            print(" 8. Veg. Toast Sandwich..... 20.00 ")
            print(" 9. Cheese Toast Sandwich.... 25.00")
            print(" 10. Grilled Sandwich..... 30.00 ")
            print("-----")
            print("          - - SOUPS - -      ")
            print("-----")
            print(" 11. Tomato Soup..... 33.00 ")
            print(" 12. Hot & Sour..... 35.00 ")
            print(" 13. Veg. Noodle Soup..... 38.00")
            print(" 14. Sweet Corn..... 40.00 ")
            print("-----")
```

Restaurant Function

49°F Fog 11:00 11-01-2023 L: 262 Col: 60

Restaurant Function

Program for Menu Card

```

cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
print(" 14 Sweet Corn.....40.00 ")
print(" 15 Veg. Munchow..... 38.00 ")
print("-----")
print("     -- MAIN COURSE --   ")
print("-----")
print(" 16 Shahi Paneer..... 30.00 ")
print(" 17 Kadai Paneer..... 30.00 ")
print(" 18 Palak Paneer..... 30.00 ")
print(" 19 Chole Bahture..... 30.00 ")
print(" 20 Pav Bhaji..... 30.00 ")
print(" 21 Matar Mushroom..... 35.00 ")
print(" 22 Mix Veg..... 35.00 ")
print(" 23 Jeera Aloo..... 35.00 ")
print(" 24 Malai Kofta..... 35.00 ")
print(" 25 Aloo Matar..... 35.00 ")
print(" 26 Dal Fry..... 35.00 ")
print(" 27 Dal Makhani..... 35.00 ")
print(" 28 Dal Tadka..... 35.00 ")
print("-----")
print("     -- ROTI--   ")
print("-----")
print(" 29 Plain Roti..... 10.00 ")
print(" 30 Butter Roti..... 12.00 ")
print(" 31 Tandoori Roti..... 15.00 ")
print(" 32 Butter Naan..... 15.00 ")
print("-----")
print("     -- RICE--   ")
print("-----")
print(" 33 Plain Rice..... 15.00 ")
print(" 34 Jeera Rice..... 20.00 ")
print(" 35 Veg Pulao..... 25.00 ")
print(" 36 Peas Pulao..... 25.00 ")
print("-----")
print("     -- SOUTH INDIAN--   ")
print("-----")
print(" 37 Plain Dosa..... 25.00 ")
print(" 38 Onion Dosa..... 35.00 ")
print(" 39 Masala Dosa..... 50.00 ")
print(" 41 Rice Idli..... 45.00 ")
print(" 42 Sambar Vada..... 45.00 ")
print("-----")
print("     -- ICE CREAM--   ")
print("-----")
print(" 43 Vanilla Ice Cream..... 25.00 ")
print(" 44 Strawberry Ice Cream..... 25.00 ")
print(" 45 Chocolate Ice Cream..... 25.00 ")
print(" 46 Butter Scotch Ice Cream..... 25.00 ")
print("-----")
print("     Press 00 -to end ")
ch=1
while(ch!=0):
    ch=int(input(" -> "))
    if ch==1 or ch==29:
        rs=10
        r=r+rs
    elif ch<=6 and ch>=2:
        rs=15
        r=r+rs
    elif (ch<=8 and ch>=7)or ch==34:
        rs=20
        r=r+rs
    elif (ch<=20 and ch>=16) or ch==10:
        rs=30
        r=r+rs
    elif ch==11:
        rs=33
        r=r+rs
    elif (ch<=28 and ch>=21) or ch==12 or ch==38:
        rs=35
        r=r+rs
    else:
        print(" Invalid Input ")
        r=r+rs
print("-----")
print(" Total Amount : ",r)
print("-----")

```

Lt: 296 Col: 58

49°F Fog

File Search Start Task View Home Office Mail Photos Video Powerpoint Python Fog

11:00 ENG IN 11-01-2023

```

cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
print("     -- SOUTH INDIAN--   ")
print("-----")
print(" 37 Plain Dosa..... 25.00 ")
print(" 38 Onion Dosa..... 35.00 ")
print(" 39 Masala Dosa..... 50.00 ")
print(" 41 Rice Idli..... 45.00 ")
print(" 42 Sambar Vada..... 45.00 ")
print("-----")
print("     -- ICE CREAM--   ")
print("-----")
print(" 43 Vanilla Ice Cream..... 25.00 ")
print(" 44 Strawberry Ice Cream..... 25.00 ")
print(" 45 Chocolate Ice Cream..... 25.00 ")
print(" 46 Butter Scotch Ice Cream..... 25.00 ")
print("-----")
print("     Press 00 -to end ")
ch=1
while(ch!=0):
    ch=int(input(" -> "))
    if ch==1 or ch==29:
        rs=10
        r=r+rs
    elif ch<=6 and ch>=2:
        rs=15
        r=r+rs
    elif (ch<=8 and ch>=7)or ch==34:
        rs=20
        r=r+rs
    elif (ch<=20 and ch>=16) or ch==10:
        rs=30
        r=r+rs
    elif ch==11:
        rs=33
        r=r+rs
    elif (ch<=28 and ch>=21) or ch==12 or ch==38:
        rs=35
        r=r+rs
    else:
        print(" Invalid Input ")
        r=r+rs
print("-----")
print(" Total Amount : ",r)
print("-----")

```

Lt: 329 Col: 26

1 50°F Fog

File Search Start Task View Home Office Mail Photos Video Powerpoint Python Fog

11:03 ENG IN 11-01-2023

```

cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
    elif (ch<=28 and ch>=21) or ch==12 or ch==38:
        rs=35
        r+=rs
    elif ch==30:
        rs=12
        r+=rs
    elif ch==13 or ch==15:
        rs=38
        r+=rs
    elif ch==39:
        rs=50
        r+=rs
    elif ch==14:
        rs=40
        r+=rs
    elif (ch<=46 and ch>=43) or ch==35 or ch==36 or ch==9 or ch==37:
        rs=25
        r+=rs
    elif ch<=33 and ch>=31:
        rs=15
        r+=rs
    elif ch==41 or ch==42:
        rs=45
        r+=rs
    elif ch==0:
        pass
    else:
        print("Wrong Choice..!!...Try Again")
    print("Total Bill: ",r)
    r+=rc.pop(n)
    rc.append(r)
else:
    pass
if f == 0:
    print("Invalid Customer Id")
n=int(input("0-BACK\n->"))

```

Lt: 362 Col: 31
11:04 11-01-2023

```

cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
    print("Invalid Customer Id")
n=int(input("0-BACK\n->"))
if n==0:
    Home()
else:
    exit()
def Payment():
    ph=str(input("Phone Number: "))
    global i
    f=0
    for n in range(0,i):
        if ph==phno[n]:
            if p[n]==0:
                f=1
                print(" Payment")
                print(" -----")
                print(" MODE OF PAYMENT")
                print(" 1- Credit/Debit Card")
                print(" 2- Paytm/PhonePe")
                print(" 3- Using UPI")
                print(" 4- Cash")
                x=int(input("->"))
                print("\n Amount: ,(price[n]*day[n])+rc[n]")
                print("\n Pay For SUNSHINE")
                print(" (y/n)")
                ch=str(input("->"))
                if ch=="y" or ch=="Y":
                    print("\n-----")
                    print(" HOTEL SUNSHINE")
                    print(" -----")
                    print(" Bill")
                    print(" -----")
                    print(" Name: ,name[n],\n Phone No.: ,phno[n],\n Address: ,add[n],\n")
                    print(" Check-In: ,checkin[n],\n Check-Out: ,checkout[n],\n")
                    print(" Room Type: ,room[n],\n Room Charges: ,price[n]*day[n],\n")
                    print(" Restaurant Charges: ,rc[n])")

```

Lt: 396 Col: 56
11:05 11-01-2023

```
cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
print("\n Room Type: ",room[n]," \t \n Room Charges: ",price[n]*day[n]," \t ")
print(" Restaurant Charges: ",rc[n])
print(" \n Total Amount: Rs ",(price[n]*day[n])+rc[n],"\t")
print(" -----")
print(" THANK YOU")
print(" Visit Again :)") 
print("-----\n")
p.pop(n)
p.insert(n,1)
roomno.pop(n)
custid.pop(n)
roomno.insert(n,0)
custid.insert(n,0)
else:
    for j in range(n+1,i):
        if ph==phno[j] :
            if p[j]==0:
                pass
            else:
                f=1
                print("\n\tPayment has been Made :)\n\n")
if f==0:
    print("Invalid Customer Id")
n = int(input("0-BACK\n ->"))
if n == 0:
    Home()
else:
    exit()
def Record():
    if phno==[]:
        print(" *** HOTEL RECORD ***\n")
        print(" | Name | Phone No. | Address | Check-In | Check-Out | Room Type | Total Price |")
        print("-----")
for n in range(0,i):
    print(" |",name[n]," | ",phno[n]," | ",add[n]," | ",checkin[n]," | ",checkout[n]," | ",room[n]," | ",(price[n]*day[n])+rc[n],")")
    print("-----")
if f==0:
    print("\n\tPayment has been Made :)\n\n")
print("Invalid Customer Id")
n = int(input("0-BACK\n ->"))
if n == 0:
    Home()
else:
    exit()
def Record():
    if phno==[]:
        print(" *** HOTEL RECORD ***\n")
        print(" | Name | Phone No. | Address | Check-In | Check-Out | Room Type | Total Price |")
        print("-----")
for n in range(0,i):
    print(" |",name[n]," | ",phno[n]," | ",add[n]," | ",checkin[n]," | ",checkout[n]," | ",room[n]," | ",(price[n]*day[n])+rc[n],")")
    print("-----")
else:
    print("No Records Found")
n = int(input("0-BACK\n ->"))
if n == 0:
    Home()
else:
    exit()
Home()
```

After doing the payment, the program will display a final bill.

Record Function

```
cs practice.py - C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py (3.10.6)
File Edit Format Run Options Window Help
roomno.insert(n,0)
custid.insert(n,0)
else:
    for j in range(n+1,i):
        if ph==phno[j] :
            if p[j]==0:
                pass
            else:
                f=1
                print("\n\tPayment has been Made :)\n\n")
if f==0:
    print("Invalid Customer Id")
n = int(input("0-BACK\n ->"))
if n == 0:
    Home()
else:
    exit()
def Record():
    if phno==[]:
        print(" *** HOTEL RECORD ***\n")
        print(" | Name | Phone No. | Address | Check-In | Check-Out | Room Type | Total Price |")
        print("-----")
for n in range(0,i):
    print(" |",name[n]," | ",phno[n]," | ",add[n]," | ",checkin[n]," | ",checkout[n]," | ",room[n]," | ",(price[n]*day[n])+rc[n],")")
    print("-----")
if f==0:
    print("\n\tPayment has been Made :)\n\n")
print("Invalid Customer Id")
n = int(input("0-BACK\n ->"))
if n == 0:
    Home()
else:
    exit()
def Record():
    if phno==[]:
        print(" *** HOTEL RECORD ***\n")
        print(" | Name | Phone No. | Address | Check-In | Check-Out | Room Type | Total Price |")
        print("-----")
for n in range(0,i):
    print(" |",name[n]," | ",phno[n]," | ",add[n]," | ",checkin[n]," | ",checkout[n]," | ",room[n]," | ",(price[n]*day[n])+rc[n],")")
    print("-----")
else:
    print("No Records Found")
n = int(input("0-BACK\n ->"))
if n == 0:
    Home()
else:
    exit()
Home()
```

Here, the program will display the hotel record of customer.

OUTPUTS

```
*IDLE Shell 3.10.6*
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>> = RESTART: C:\Users\ACER\AppData\Local\Programs\Python\Python310\cs practice.py
WELCOME TO HOTEL SUNSHINE

1 Rooms Info
2 Booking
3 Room Service(Menu Card)
4 Payment
5 Record
0 Exit

->1
----- HOTEL ROOMS INFO -----
STANDARD NON-AC
Room amenities include: 1 Double Bed, Television, Telephone,
Double-Door Cupboard, 1 Coffee table with 2 sofa, Balcony and
an attached washroom with hot/cold water.

STANDARD NON-AC
Room amenities include: 1 Double Bed, Television, Telephone,
Double-Door Cupboard, 1 Coffee table with 2 sofa, Balcony and
an attached washroom with hot/cold water + Window/Split AC.

3-Bed NON-AC
Room amenities include: 1 Double Bed + 1 Single Bed, Television,
Telephone, a Triple-Door Cupboard, 1 Coffee table with 2 sofa,
1 Side table, Balcony with an Accent table with 2 Chair and an
attached washroom with hot/cold water + Window/Split AC.

->0
----- HOTEL ROOMS INFO -----
STANDARD NON-AC
Room amenities include: 1 Double Bed, Television, Telephone,
Double-Door Cupboard, 1 Coffee table with 2 sofa, Balcony and
an attached washroom with hot/cold water.

STANDARD NON-AC
Room amenities include: 1 Double Bed, Television, Telephone,
Double-Door Cupboard, 1 Coffee table with 2 sofa, Balcony and
an attached washroom with hot/cold water + Window/Split AC.

3-Bed NON-AC
Room amenities include: 1 Double Bed + 1 Single Bed, Television,
Telephone, a Triple-Door Cupboard, 1 Coffee table with 2 sofa,
1 Side table, Balcony with an Accent table with 2 Chair and an
attached washroom with hot/cold water + Window/Split AC.

->0
----- HOTEL ROOMS INFO -----
STANDARD NON-AC
Room amenities include: 1 Double Bed, Television, Telephone,
Double-Door Cupboard, 1 Coffee table with 2 sofa, Balcony and
an attached washroom with hot/cold water.

STANDARD NON-AC
Room amenities include: 1 Double Bed, Television, Telephone,
Double-Door Cupboard, 1 Coffee table with 2 sofa, Balcony and
an attached washroom with hot/cold water + Window/Split AC.

3-Bed NON-AC
Room amenities include: 1 Double Bed + 1 Single Bed, Television,
Telephone, a Triple-Door Cupboard, 1 Coffee table with 2 sofa,
1 Side table, Balcony with an Accent table with 2 Chair and an
attached washroom with hot/cold water + Window/Split AC.
```

In the starting the program will display 6 choices to be made by the customer.

In the first option, i.e., Rooms Info, it will display the amenities offered by the hotel to the customer.

```
*IDLE Shell 3.10.6*
File Edit Shell Debug Options Window Help
3-Bed NON-AC
Room amenities include: 1 Double Bed + 1 Single Bed, Television,
Telephone, a Triple-Door Cupboard, 1 Coffee table with 2 sofa,
1 Side table, Balcony with an Accent table with 2 Chair and an
attached washroom with hot/cold water.

3-Bed AC
Room amenities include: 1 Double Bed + 1 Single Bed, Television,
Telephone, a Triple-Door Cupboard, 1 Coffee table with 2 sofa,
1 Side table, Balcony with an Accent table with 2 Chair and an
attached washroom with hot/cold water + Window/Split AC.

->5
1. Standard Non-AC - Rs. 3500
2. Standard AC - Rs. 4000
3. 3-Bed Non-AC - Rs. 4500
4. 3-Bed AC - Rs. 5000

0-BACK
->0
----- HOTEL ROOMS INFO -----
WELCOME TO HOTEL SUNSHINE

1 Rooms Info
2 Booking
3 Room Service(Menu Card)
4 Payment
5 Record
0 Exit

->0
----- HOTEL ROOMS INFO -----
WELCOME TO HOTEL SUNSHINE

1 Rooms Info
2 Booking
3 Room Service(Menu Card)
4 Payment
5 Record
0 Exit

->0
----- HOTEL ROOMS INFO -----
WELCOME TO HOTEL SUNSHINE

1 Rooms Info
2 Booking
3 Room Service(Menu Card)
4 Payment
5 Record
0 Exit
```

Now, we have to type 0 every time for going back to the options.

```
*IDLE Shell 3.10.6*
File Edit Shell Debug Options Window Help
0 Exit
->2
BOOKING ROOMS
Name: Lavanya
Phone No.: 9922435303
Address: J-Block,Saket,New Delhi
Check-In: 11/01/2023
Check-Out: 15/01/2023
----SELECT ROOM TYPE----
1. Standard Non-AC
2. Standard AC
3. 3-Bed Non-AC
4. 3-Bed AC
->3
Room Type: 3-Bed Non-AC
Price: 4500
****ROOM BOOKED SUCCESSFULLY****
Room No. - 315
Customer Id - 44
0-BACK
->0
WELCOME TO HOTEL SUNSHINE
1 Rooms Info
2 Booking
3 Room Service(Menu Card)
4 Payment
5 Record
Ln: 108 Col: 0
66°F Smoke
17:00 ENG IN 11-01-2023
```

After typing 2 (for booking), the program will ask for customer's details and which room he/she have to book.

```
*IDLE Shell 3.10.6*
File Edit Shell Debug Options Window Help
4 Payment
5 Record
0 Exit
->3
Customer Id: 44
HOTEL SUNSHINE
MENU CARD
---BEVARAGES---
1 Regular Tea..... 10.00
2 Masala Tea..... 15.00
3 Coffee..... 15.00
4 Cold Drink..... 15.00
5 Bread Butter..... 15.00
6 Bread Jam..... 15.00
7 Veg. Sandwich..... 20.00
8 Veg. Toast Sandwich..... 20.00
9 Cheese Toast Sandwich.... 25.00
10 Grilled Sandwich..... 30.00
---SOUPS---
11 Tomato Soup..... 33.00
12 Hot & Sour..... 35.00
13 Veg. Noodle Soup..... 38.00
14 Sweet Corn..... 40.00
15 Veg. Munchow..... 38.00
---MAIN COURSE---
Ln: 141 Col: 4
66°F Smoke
17:01 ENG IN 11-01-2023
```

Here, the program will ask for the Customer Id provided by the hotel for ordering food from the hotel and then menu card will be displayed.

```
*IDLE Shell 3.10.6*
File Edit Shell Debug Options Window Help
-- MAIN COURSE --
16 Shahi Paneer..... 30.00
17 Kadai Paneer..... 30.00
18 Palak Paneer..... 30.00
19 Chole Bhature..... 30.00
20 Pav Bhaji..... 30.00
21 Matar Mushroom..... 35.00
22 Mix Veg..... 35.00
23 Jeera Aloo..... 35.00
24 Malai Kofta..... 35.00
25 Aloo Matar..... 35.00
26 Aloo Potao..... 35.00
27 Dal Makhani..... 35.00
28 Dal Tadka..... 35.00
-- ROTI --
29 Plain Roti..... 10.00
30 Butter Roti..... 12.00
31 Tandoori Roti..... 15.00
32 Butter Naan..... 15.00
-- RICE --
33 Plain Rice..... 15.00
34 Jeera Rice..... 20.00
35 Veg Pulao..... 25.00
36 Peas Pulao..... 25.00
-- SOUTH INDIAN --
37 Plain Dosa..... 25.00
38 Onion Dosa..... 35.00
39 Masala Dosa..... 50.00
41 Rice Idli..... 45.00
42 Sambar Vada..... 45.00
-- ICE CREAM --
43 Vanilla Ice Cream..... 25.00
44 Strawberry Ice Cream..... 25.00
45 Chocolate Ice Cream..... 25.00
46 Butter Scotch Ice Cream..... 25.00
Press 00 -to end
->
66°F
Smoke
L: 185 Col: 4
ENG IN 17:01 11-01-2023
```

```
*IDLE Shell 3.10.6*
File Edit Shell Debug Options Window Help
15 Chocolate Ice Cream..... 25.00
46 Butter Scotch Ice Cream..... 25.00
Press 00 -to end
-> 2
-> 19
-> 43
-> 56
Wrong Choice...!!...Try Again
-> 2
Total Bill: 70
0-BACK
->0
WELCOME TO HOTEL SUNSHINE
1 Rooms Info
2 Booking
3 Room Service(Menu Card)
4 Payment
5 Record
0 Exit
->4
Phone Number: 9922435303
Payment
----- MODE OF PAYMENT
1- Credit/Debit Card
2- Paytm/PhonePe
3- Using UPI
4- Cash
-> 4
Amount: 18070
Pay For SUNSHINE
(y/n)
->y
----- HOTEL SUNSHINE
L: 182 Col: 2
ENG IN 17:09 11-01-2023
```

Now, the customer has to give the number of that particular food item which he wants to order and the program will display the total bill of the food ordered by the customer.

For payment, the program will ask for the customer's phone no. and in which way the customer want to make the payment.

```
*IDLE Shell 3.10.6*
File Edit Shell Debug Options Window Help

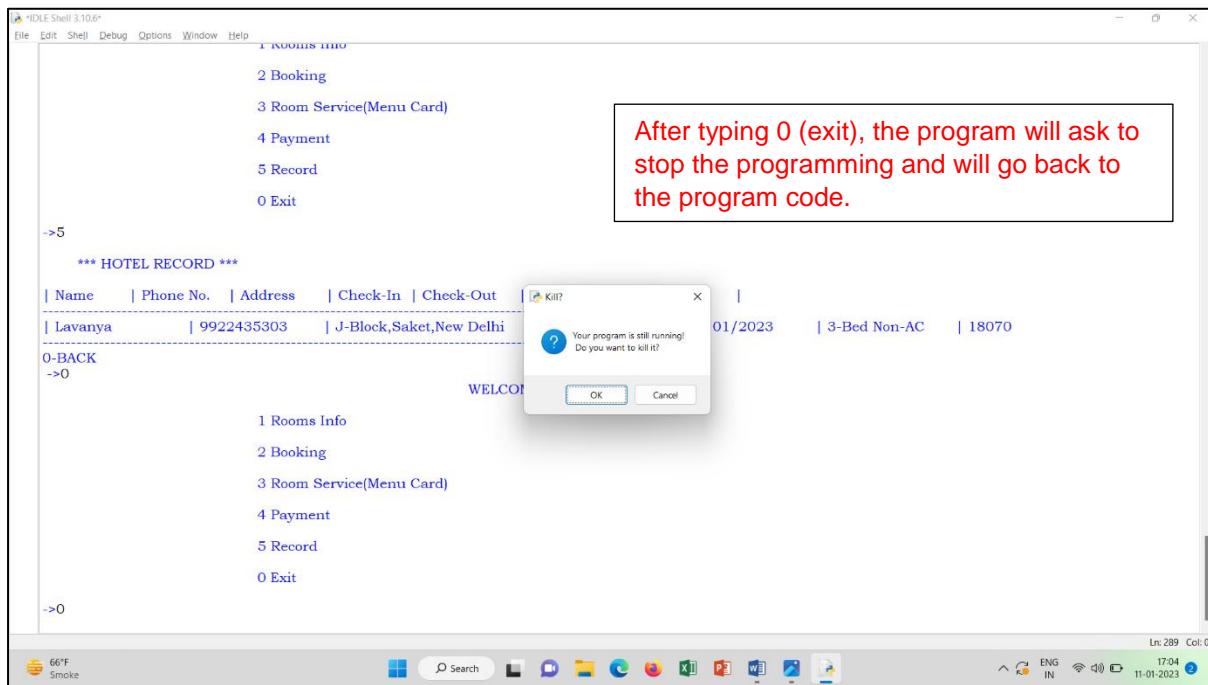
-----  
HOTEL SUNSHINE  
-----  
Bill  
-----  
Name: Lavanya  
Phone No.: 9922435303  
Address: J-Block,Saket,New Delhi  
Check-In: 11/01/2023  
Check-Out: 15/01/2023  
Room Type: 3-Bed Non-AC  
Room Charges: 18000  
Restaurant Charges: 70  
-----  
Total Amount: Rs 18070  
-----  
THANK YOU  
Visit Again :)  
-----  
0-BACK  
->0  
  
WELCOME TO HOTEL SUNSHINE  
1 Rooms Info  
2 Booking  
3 Room Service(Menu Card)  
4 Payment  
5 Record  
Ln: 224 Col: 0  
66°F Smoke 17:04 ENG IN 11-01-2023
```

Now, the program will display a final bill of the customer.

```
*IDLE Shell 3.10.6*
File Edit Shell Debug Options Window Help

1 Rooms Info  
2 Booking  
3 Room Service(Menu Card)  
4 Payment  
5 Record  
0 Exit  
->5  
*** HOTEL RECORD ***  
| Name | Phone No. | Address | Check-In | Check-Out | Room Type | Total Price |  
| Lavanya | 9922435303 | J-Block,Saket,New Delhi | 11/01/2023 | 15/01/2023 | 3-Bed Non-AC | 18070  
0-BACK  
->0  
  
WELCOME TO HOTEL SUNSHINE  
1 Rooms Info  
2 Booking  
3 Room Service(Menu Card)  
4 Payment  
5 Record  
0 Exit  
Ln: 288 Col: 2  
66°F Smoke 17:04 ENG IN 11-01-2023
```

The program will display the customer record for the hotel record.



REMARKS