Hotel Management System

**SOURCE CODE**

defCheckin\_Date\_Checker(c):

globali

if c[2] >= 2000 and c[2] <= 2020:

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!!!!! Please try from first\n")

name.pop(i)

phno.pop(i)

add.pop(i)

checkin.pop(i)

Room\_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("Invalid date!!!!! Please try from first\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

Room\_Booking()

else:

print("Invalid date!!!!! Please try from first\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

Room\_Booking()

else:

print("Invalid date!!!!! Please try from first\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

Room\_Booking()

defCheckout\_Date\_Checker(c):

globali

if c[2] >= 2000 and c[2] <= 2020:

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!!!!! Please try from first\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

checkout.pop(i)

Room\_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("Invalid date\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

checkout.pop(i)

Room\_Booking()

else:

print("Invalid date!!!!! Please try from first\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

checkout.pop(i)

Room\_Booking()

else:

print("Invalid date!!!!! Please try from first\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

checkout.pop(i)

Room\_Booking()

defRoom\_Booking():

globali

global name

global add

global p

globalphno

global price

global day

globalcheckin

global checkout

global room

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:

else:

print("\tPhone no. already exists..!!")

name.pop(i)

add.pop(i)

Booking()

cii=str(input("Check-In: "))

checkin.append(cii)

cii=cii.split('/')

ci=cii

ci[0]=int(ci[0])

ci[1]=int(ci[1])

ci[2]=int(ci[2])

Checkin\_Date\_Checker(ci)

coo=str(input("Check-Out: "))

checkout.append(coo)

coo=coo.split('/')

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!!!!! Please try from first\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

checkout.pop(i)

Room\_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!!!!! Please try from first\n")

name.pop(i)

add.pop(i)

checkin.pop(i)

checkout.pop(i)

Room\_Booking()

else:

pass

Checkout\_Date\_Checker(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")

print("\t\tPress 0 for Room Prices")

ch=int(input("->"))

ifch==0:

print(" 1. Standard Non-AC - Rs. 3500")

print(" 2. Standard AC - Rs. 4000")

print(" 3. 3-Bed Non-AC - Rs. 4500")

print(" 4. 3-Bed AC - Rs. 5000")

ch=int(input("->"))

ifch==1:

room.append('Standard Non-AC')

print("Room Type- Standard Non-AC")

price.append(3500)

print("Price- 3500")

elifch==2:

room.append('Standard AC')

print("Room Type- Standard AC")

price.append(4000)

print("Price- 4000")

elifch==3:

room.append('3-Bed Non-AC')

print("Room Type- 3-Bed Non-AC")

price.append(4500)

print("Price- 4500")

elifch==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(100)+300

cid = random.randrange(90)+10

whilern in roomno or cid in custid:

rn = random.randrange(100)+300

cid = random.randrange(90)+10

rc.append(0)

p.append(0)

print("")

print("\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:

return

else:

exit()

defRooms\_Info():

print("""         ------ HOTEL ROOMS INFO ------

\t\tSTANDARD NON-AC

    \t\t---------------------------------------------------------------

    \t\tRoom amenities include: 1 Double Bed, Television, Telephone,

    \t\tDouble-Door Cupboard, 1 Coffee table with 2 sofa, Balcony and

    \t\tan attached washroom with hot/cold water.\n

    \t\tSTANDARD NON-AC

    \t\t---------------------------------------------------------------

    \t\tRoom amenities include: 1 Double Bed, Television, Telephone,

    \t\tDouble-Door Cupboard, 1 Coffee table with 2 sofa, Balcony and

    \t\tan attached washroom with hot/cold water + Window/Split AC.\n

    \t\t3-Bed NON-AC

    \t\t---------------------------------------------------------------

    \t\tRoom amenities include: 1 Double Bed + 1 Single Bed, Television,

    \t\tTelephone, a Triple-Door Cupboard, 1 Coffee table with 2 sofa, 1

    \t\tSide table, Balcony with an Accent table with 2 Chair and an

    \t\tattached washroom with hot/cold water.\n

    \t\t3-Bed AC

    \t\t---------------------------------------------------------------

    \t\tRoom amenities include: 1 Double Bed + 1 Single Bed, Television,

    \t\tTelephone, a Triple-Door Cupboard, 1 Coffee table with 2 sofa,

    \t\t1 Side table, Balcony with an Accent table with 2 Chair and an

    \t\tattached washroom with hot/cold water + Window/Split AC.""")

choice=int(input("0->Back"))

if choice==0:

return

else:

exit()

defRoom\_Service():

ph=int(input("Customer Id: "))

globali

global name

global add

global p

global p1

globalphno

global price

global day

f=0

r=0

for n in range(0,i):

ifcustid[n]==ph and p[n]==0:

f=1

print("-------------------------------------------------------------------------")

print(" CLASSIC HOTEL")

print("-------------------------------------------------------------------------")

print(" Menu Card")

print("-------------------------------------------------------------------------")

print("\n BEVARAGES 26 Dal Fry................ 140.00")

print("---------------------------------- 27 Dal Makhani............ 150.00")

print(" 1 Regular Tea............. 20.00 28 Dal Tadka.............. 150.00")

print(" 2 Masala Tea.............. 25.00")

print(" 3 Coffee.................. 25.00 PAROTTA")

print(" 4 Cold Drink.............. 25.00 ----------------------------------")

print(" 5 Bread Butter............ 30.00 29 Plain Parotta........... 20.00")

print(" 6 Bread Jam............... 30.00 30 Bun Parrota............. 25.00")

print(" 7 Veg. Sandwich........... 50.00 31 Ghee Parotta............ 30.00")

print(" 8 Veg. Toast Sandwich..... 50.00 32 KothuParotta........... 50.00")

print(" 9 Cheese Toast Sandwich... 70.00")

print(" 10 Grilled Sandwich........ 70.00 RICE")

print(" ----------------------------------")

print(" SOUPS 33 Plain Rice.............. 90.00")

print("---------------------------------- 34 Jeera Rice.............. 90.00")

print(" 11 Tomato Soup............ 110.00 35 Veg Pulao.............. 110.00")

print(" 12 Hot & Sour............. 110.00 36 Peas Pulao............. 110.00")

print(" 13 Veg. Noodle Soup....... 110.00")

print(" 14 Sweet Corn............. 110.00 SOUTH INDIAN")

print(" 15 Veg. Munchow........... 110.00 ----------------------------------")

print(" 37 Plain Dosa.............. 30.00")

print(" MAIN COURSE 38 Onion Dosa.............. 30.00")

print("---------------------------------- 39 Masala Dosa............. 50.00")

print(" 16 ShahiPaneer........... 110.00 40 Family Cone Dosa............ 130.00")

print(" 17 KadaiPaneer........... 110.00 41 Rice + Idli.............. 130.00")

print(" 18 HandiPaneer........... 120.00 42 SambharVada........... 140.00")

print(" 19 PalakPaneer........... 120.00")

print(" 20 Chilli Paneer.......... 140.00 ICE CREAM")

print(" 21 Matar Mushroom......... 140.00 ----------------------------------")

print(" 22 Mix Veg................ 140.00 43 Vanilla................. 60.00")

print(" 23 JeeraAloo............. 140.00 44 Strawberry.............. 60.00")

print(" 24 MalaiKofta............ 140.00 45 Pineapple............... 60.00")

print(" 25 AlooMatar............. 140.00 46 Butter Scotch........... 60.00")

print("Press 0 -to end ")

print()

print("Your order please sir:")

ch=1

items=[]

while(ch!=0):

ch=int(input(" -> "))

ifch>=1 and ch<=46:

rs=dish[ch][1]

r+=rs

items.append(dish[ch])

elifch==0:

pass

else:

print("Wrong Choice..!!")

print("Total Bill: ",r)

ifph not in ate:

ate[ph]=items

else:

a=ate[ph]

items.extend(a)

ate[ph]=items

r=r+rc.pop(n)

rc.append(r)

else:

pass

if f == 0:

print("Invalid Customer Id")

n=int(input("0-BACK\n ->"))

if n==0:

return

else:

exit()

defBill\_Payment():

ph=str(input("Phone Number: "))

globali

global name

global add

global p

global p1

globalphno

global price

global day

f=0

for n in range(0,i):

ifph==phno[n]:

if p[n]==0:

f=1

print(" Bill 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 CLASSIC HOTEL")

print(" (y/n)")

ch=str(input("->"))

ifch=='y' or ch=='Y':

print("\n\n --------------------------------")

print(" CLASSIC HOTEL")

print(" --------------------------------")

print(" Bill")

print(" --------------------------------")

print(" Name: ",name[n],"\t\n Phone No.: ",phno[n],"\t\n Address: ",add[n],"\t")

print("\n Check-In: ",checkin[n],"\t\n Check-Out: ",checkout[n],"\t")

print("\n Room Type: ",room[n],"\t\n Room Charges: ",price[n]\*day[n],"\t")

print(" Restaurant Charges: \n")

a=list(ate[custid[n]])

for l in a:

print(l[0],”\t”,l[1])

print("Total:\t\t",rc[n])

print(" --------------------------------")

print("\n Total Amount: ",(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):

ifph==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:

return

else:

exit()

defRecord\_Check():

globali

global name

global add

global p

global p1

globalphno

global price

global day

globalcheckin

global checkout

global room

ifphno!=[]:

print(" \*\*\* HOTEL RECORD \*\*\*\n")

print("| Name | Phone No. | Address | Check-In | Check-Out | Room Type | Price |")

print("----------------------------------------------------------------------------------------------------------------------")

for n in range(0,i):

print("|",name[n],"\t |",phno[n],"\t|",add[n],"\t|",checkin[n],"\t|",checkout[n],"\t|",room[n],"\t|",price[n])

print("----------------------------------------------------------------------------------------------------------------------")

else:

print("No Records Found")

n = int(input("0-BACK\n ->"))

if n == 0:

return

else:

exit()

import random

importdatetime

name = []

phno = []

add = []

checkin = []

checkout = []

room = []

price = []

rc = []

p = []

roomno = []

custid = []

day = []

dish={1:("Regular Tea",20.00),2:("Masala Tea",25.00),3:("Coffee",25.00),4:("Cold Drink",25.00),5:("Bread Butter",30.00),6:("Bread Jam",30.00),7:("Veg. Sandwich",50.00),8:("Veg. Toast Sandwich",50.00),9:("Cheese Toast Sandwich",70.00),10:("Grilled Sandwich",70.00),11:("Tomato Soup",110.00),12:("Hot & Sour",110.00),13:("Veg. Noodle Soup",110.00),14:("Sweet Corn",110.00),15:("Veg. Munchow.",110.00),16:("Shahi Paneer",110.00),17:("Kadai Paneer",110.00),18:("Handi Paneer",120.00),19:("Palak Paneer",120.00),20:("Chilli Paneer",140.00),21:("Matar Mushroom",140.00),22:("Mix Veg",140.00),23:("Jeera Aloo",140.00),24:("Malai Kofta",140.00),25:("Aloo Matar",140.00),26:("Dal Fry",140.00),27:("Dal Makhani",150.00),28:("Dal Tadka",150.00),29:("Plain Parotta",20.00),30:("Bun Parrota",25.00),31:("Ghee Parotta",30.00),32:("Kothu Parotta",50.00),33:("Plain Rice",90.00),34:("Jeera Rice",90.00),35:("Veg Pulao",110.00),36:("Peas Pulao",110.00),37:("Plain Dosa",30.00),38:("Onion Dosa",30.00),39:("Masala Dosa",50.00),40:("Family Cone Dosa",130.00),41:("Rice + Idli",130.00),42:("Sambhar Vada",140.00),43:("Vanilla",60.00),44:("Strawberry",60.00),45:("Pineapple",60.00),46:("Butter Scotch",60.00)}

ate={}

i =0

while True:

print("-"\*40,"\*"\*50,"-"\*40)

print("\t\t\t\t\t\t\tWELCOME TO CLASSIC HOTEL\n")

print("-"\*40,"\*"\*50,"-"\*40)

print("\t\t\t 1 Rooms Specification\n")

print("\t\t\t 2 Book My Room\n")

print("\t\t\t 3 Room Service(Menu Card)\n")

print("\t\t\t 4 Pay My Bill\n")

print("\t\t\t 5 Check My Record\n")

print("\t\t\t 0 Exit\n")

ch=int(input("Enter your choice:->"))

ifch == 1:

print(" ")

Rooms\_Info()

elifch == 2:

print(" ")

Room\_Booking()

elifch == 3:

print(" ")

Room\_Service()

elifch == 4:

print(" ")

Bill\_Payment()

elifch == 5:

print(" ")

Record\_Check()

else:

exit()

**OUTPUT**

















