

HOTEL MANAGEMENT SYSTEM



Members Of The Team

- Anand Kaushik(2210990107)- Anand Kaushik is the team leader and the lead programmer of the project. Majority of bug fixing was done by him.
- Anmol Singh Thakur (2210990128)- Anmol is the second coder of the project. He designed the basic structure of code and put the features that can be executed using the programme.
- Ankit Goel(2210990117)- Ankit's major role was ppt and template making and fixing bugs in the programme.

PROGRAMMING LANGUAGE USED- **PYTHON**

- About **PYTHON**- Python is a widely used general purpose, high level programming language designed by Guido Van Rossum in 1991. It is a simple, free, easy to use object oriented programming language which has easy syntax and is a friendly language for beginners.
- Some of the popular apps such as Pinterest, Quora, Reddit etc. are developed using python.
- Python is intensively used in Machine Learning & Data Analysis .

PLATFORM USED TO DEVELOP THE PROJECT- **GOOGLE COLAB**

INTRODUCTION :

It has been tried our best to make the process of hotel booking for the user as simple as possible using Python programming language.

This project will be useful for two types of users:

- Online user
- Administrator(management of hotel)

Purpose

The main purpose of this project is to perform hotel staff's activity in computerized way rather than manually which is time consuming.

The entire activity is to automate the process of day to day activities of Hotel like :

- Note the guest's personal details .
- Assign a room according to guest's choice.
- Releasing the room and finally compute the bill after applying offers and discounts in short time.

Preview of the programme

—

```
randlist1=[]
mnumber=int(input("Enter Your Mobile Number "))
strmnumber=str(mnumber)
for i in strmnumber:
    randlist1.append(i)
randlist1
if len(randlist1)==10:
    print("THANKS")
    print("Mobile Number ~ ",mnumber,end='')
else:
    print("Enter Your Number Correctly")
```

```
[ ] checkinda=int(input("Enter ~ Check In Date ~ "))
checkinmo=input("Enter ~ Check In Month ~ ")
checkinye=int(input("Enter ~ Check In Year ~ "))
Months=["January","February","March","April","May","June","July","August","September","October","November","December"]
months=[]
for i in Months:
    months.append(i.casefold())
print (months)
checkouda=int(input("Enter ~ Check Out Date ~ "))
checkoumo=input("Enter ~ Check Out Month ~ ")
checkouye=checkinye
```

Enter ~ Check In Date ~ 16
Enter ~ Check In Month ~ march

+ Code + Text

Connect Editing

```
if totalnights>=1 and totalnights<=30:  
    yototabill=totalnights*costperday[wroomwant-1]  
    print("Your Total Bill is Rs",yototabill,"only","inclusive of all taxes and without discounts.")  
else:  
    print("We think you have entered wrong details or your accomodation period exceeds our limits.")  
    print("In Either Case Sorry For Inconvenience")
```

We think you have entered wrong details or your accomodation period exceeds our limits.
In Either Case Sorry For Inconvenience

+ Code

+ Text

```
[ ] if yototabill<=9999 and yototabill>=100:  
    print("Total Amount to be paid after discounts and offers ~ ",0.95*yototabill)  
elif yototabill>=10000 and yototabill<=20000:  
    print("Total Amount to be paid after discount and offers ~ ",0.85*yototabill)  
elif yototabill>=20001 and yototabill<=30000:  
    print("Total Amount to be paid after discount and offers ~ ",0.75*yototabill)  
elif yototabill>=30001:  
    print("Total Amount to be paid after discount and offers ~ ",0.70*yototabill)  
else:  
    print("Our System Is Detecting Some Errors,Please Enter The Details Again.")
```

Our System Is Detecting Some Errors,Please Enter The Details Again.

ONE OF THE KEY FEATURES OF THE PROJECT IS THAT BILL IS CALCULATED AFTER APPLYING AVAILABLE OFFERS & DISCOUNTS

```
[ ] if yototabill<=9999 and yototabill>=100:  
    print("Total Amount to be paid after discounts and offers ~ ",0.95*yototabill)  
elif yototabill>=10000 and yototabill<=20000:  
    print("Total Amount to be paid after discount and offers ~ ",0.85*yototabill)  
elif yototabill>=20001 and yototabill<=30000:  
    print("Total Amount to be paid after discount and offers ~ ",0.75*yototabill)  
elif yototabill>=30001:  
    print("Total Amount to be paid after discount and offers ~ ",0.70*yototabill)  
else:  
    print("Our System Is Detecting Some Errors,Please Enter The Details Again.")
```

ANOTHER KEY FEATURE OF THE PROJECT IS THE USER CAN CHOOSE THE TYPE OF ROOM HE WANTS TO BOOK.

```
[ ] print("Room Types Available")
    roomtypes=["Single Non-Ac","Single Ac","Deluxe Double ","Family room"]
    for index,typesofroom in enumerate(roomtypes):
        print("Type",index+1,"for",typesofroom)
```

```
Room Types Available
Type 1 for Single Non-Ac
Type 2 for Single Ac
Type 3 for Deluxe Double
Type 4 for Family room
```

```
[ ] wroomwant=int(input("What type of room you want? ~ "))
    wroomwant
```

```
What type of room you want? ~ 1
1
```

Future Scope Of the Programme

- Graphics can be added.
- Guest can hire guides and use Vehicle service.

Thank You



Thank
You

Submitted To: Dr.Mudita

Your logo