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**CHURU**

**SESSION 2019-20**

INFORMATICS PRACTICES

PROJECT

**PROJECT NAME –** **“**[**HOTEL MANAGEMENT SYSTEM**](http://www.cppforschool.com/projects.html)**”**

**SUBMITTED BY :**

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**CLASS 12TH -A**

**CERTIFICATE**

This is to certify that the project work **“**[**HOTEL MANAGEMENT SYSTEM**](http://www.cppforschool.com/projects.html)**”** is a bonafide record of work done by  **PANKAJ KUMAR SHARMA DAKSH THALOR RITAKSHI SUNDA** under the guidance and supervision of Mr.Navneet Sadh,INFORMATICS PRACTICES *teacher,K.V CHURU*

*It is also certified that this work is done by the student in original and by their own conscious effort*

*\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_*

*External examiner Internal examiner*

**PRINCIPAL**

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**K V CHURU**

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STUDENT`S NAME :

PANKAJ,DAKSH,RITAKSHI

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**INTRODUCTION**

The project is designed for ‘HOTEL MANAGEMENT’ in PYTHON. The title of the project is hotel management system. In this project a customer(user) can book,cancel room,order food and drinks from hotel. He has to pay.

Administrator of the project can enter new customer record, display all/specific customer record, he can modify and delete customer record. Administrator can enter new order record, display all order.

The customer using this programme

**SOURCE CODE**

class hotelfarecal:

def \_\_init\_\_(self,rt='',s=0,p=0,r=0,t=0,a=1800,name='',address='',cindate='',coutdate='',rno=101):

print ("\n\n\*\*\*\*\*WELCOME TO HEWING HOTEL\*\*\*\*\*\n")

self.rt=rt

self.r=r

self.t=t

self.p=p

self.s=s

self.a=a

self.name=name

self.address=address

self.cindate=cindate

self.coutdate=coutdate

self.rno=rno

def inputdata(self):

self.name=input("\nEnter your name:")

self.address=input("\nEnter your address:")

self.cindate=input("\nEnter your check in date:")

self.coutdate=input("\nEnter your checkout date:")

print("Your room no.:",self.rno,"\n")

def roomrent(self):#sel1353

print ("We have the following rooms for you:-")

print ("1. type A---->rs 6000 PN\-")

print ("2. type B---->rs 5000 PN\-")

print ("3. type C---->rs 4000 PN\-")

print ("4. type D---->rs 3000 PN\-")

x=int(input("Enter Your Choice Please->"))

n=int(input("For How Many Nights Did You Stay:"))

if(x==1):

print ("you have opted room type A")

self.s=6000\*n

elif (x==2):

print ("you have opted room type B")

self.s=5000\*n

elif (x==3):

print ("you have opted room type C")

self.s=4000\*n

elif (x==4):

print ("you have opted room type D")

self.s=3000\*n

else:

print ("please choose a room")

print ("your room rent is =",self.s,"\n")

def restaurentbill(self):

print("\*\*\*\*\*RESTAURANT MENU\*\*\*\*\*")

print("1.water----->Rs20","2.tea----->Rs10","3.breakfast combo--->Rs90","4.lunch---->Rs110","5.dinner--->Rs150","6.Exit")

while (1):

c=int(input("Enter your choice:"))

if (c==1):

d=int(input("Enter the quantity:"))

self.r=self.r+20\*d

elif (c==2):

d=int(input("Enter the quantity:"))

self.r=self.r+10\*d

elif (c==3):

d=int(input("Enter the quantity:"))

self.r=self.r+90\*d

elif (c==4):

d=int(input("Enter the quantity:"))

self.r=self.r+110\*d

elif (c==5):

d=int(input("Enter the quantity:"))

self.r=self.r+150\*d

elif (c==6):

break;

else:

print("Invalid option")

print ("Total food Cost=Rs",self.r,"\n")

def laundrybill(self):

print ("\*\*\*\*\*\*LAUNDRY MENU\*\*\*\*\*\*\*")

print ("1.Shorts----->Rs3","2.Trousers----->Rs4","3.Shirt--->Rs5","4.Jeans---->Rs6","5.Girlsuit--->Rs8","6.Exit")

while (1):

#brought to you by code-projects.org

e=int(input("Enter your choice:"))

if (e==1):

f=int(input("Enter the quantity:"))

self.t=self.t+3\*f

elif (e==2):

f=int(input("Enter the quantity:"))

self.t=self.t+4\*f

elif (e==3):

f=int(input("Enter the quantity:"))

self.t=self.t+5\*f

elif (e==4):

f=int(input("Enter the quantity:"))

self.t=self.t+6\*f

elif (e==5):

f=int(input("Enter the quantity:"))

self.t=self.t+8\*f

elif (e==6):

break;

else:

print ("Invalid option")

print ("Total Laundary Cost=Rs",self.t,"\n")

def gamebill(self):

print ("\*\*\*\*\*\*GAME MENU\*\*\*\*\*\*\*")

print ("1.Table tennis----->Rs60","2.Bowling----->Rs80","3.Snooker--->Rs70","4.Video games---->Rs90","5.Pool--->Rs50==6","6.Exit")

while (1):

g=int(input("Enter your choice:"))

if (g==1):

h=int(input("No. of hours:"))

self.p=self.p+60\*h

elif (g==2):

h=int(input("No. of hours:"))

self.p=self.p+80\*h

elif (g==3):

h=int(input("No. of hours:"))

self.p=self.p+70\*h

elif (g==4):

h=int(input("No. of hours:"))

self.p=self.p+90\*h

elif (g==5):

h=int(input("No. of hours:"))

self.p=self.p+50\*h

elif (g==6):

break;

else:

print ("Invalid option")

print ("Total Game Bill=Rs",self.p,"\n")

def display(self):

print ("\*\*\*\*\*\*HOTEL BILL\*\*\*\*\*\*")

print ("Customer details:")

print ("Customer name:",self.name)

print ("Customer address:",self.address)

print ("Check in date:",self.cindate)

print ("Check out date",self.coutdate)

print ("Room no.",self.rno)

print ("Your Room rent is:",self.s)

print ("Your Food bill is:",self.r)

print ("Your laundary bill is:",self.t)

print ("Your Game bill is:",self.p)

self.rt=self.s+self.t+self.p+self.r

print ("Your sub total bill is:",self.rt)

print ("Additional Service Charges is",self.a)

print ("Your grandtotal bill is:",self.rt+self.a,"\n")

self.rno+=1

def main():

a=hotelfarecal()

while (1):

print("1.Enter Customer Data")

print("2.Calculate rommrent")

print("3.Calculate restaurant bill")

print("4.Calculate laundry bill")

print("5.Calculate gamebill")

print("6.Show total cost")

print("7.EXIT")

b=int(input("\nEnter your choice:"))

if (b==1):

a.inputdata()

if (b==2):

a.roomrent()

if (b==3):

a.restaurentbill()

if (b==4):

a.laundrybill()

if (b==5):

a.gamebill()

if (b==6):

a.display()

if (b==7):

quit()

Requirements Specification

Functional requirements:

Data requirements:

**OUTPUT SCREEN**





Services provided to the user

The hotel Management System automates the basic hotel management functions to aid in the day-to-day operations of a hotel. It supports functions such as roombook, cancelroom, the very basic functions for hotel facilities , etc.

It also maintains data about customer records that are required during various hotel operations. The software aims to make the system user friendly and efficient.

The functions that the hotel Management System provides are as follows:

Testing

It is integral part of any system’s development life cycle without which the system developed is sure to fail and result in loss of economic and manpower investments besides user’s dissatisfaction and downfall of reputation.

System testing is the stage of implementation, which aims at ensuring that the system works accurately and efficiently before actual operation commences. No program or system design is perfect, communication between the user and the designer is not always complete or clear. All this can result in errors.

Another reason for system testing is its utility as a user oriented vehicle before implementation. The application system is worthless if does not meet user needs, thus the system should be tested to see whether it meets the user requirements.

Testing here is conducted in bottom up approach as follows:

* Module testing: Here testing is done at each module level. Each case has been throughly tested to discover pitfalls.
* System testing: Here testing is done after all the modules have been integrated.
* After

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