**KENDRIYA VIDYALAYA**

**STEEL PLANT VIZAG**



**A PROJECT REPORT ON:**

**Hotel Management**

**Submitted To: Mrs. B. Chaarvi P.G.T.(Comp. Sc)**

**Submitted By: K. Siddhanth & Dhananjay Patra**

**CERTIFICATE**

This is to certify that **Karumanchi Siddhanth** and **Dhananjay Patra** of class **XII A** of **Kendriya Vidyalaya Steel Plant** has done their project on **Hotel Management** under my supervision. They has taken interest and has shown at most sincerity in completion of this project.

I certify this Project up to my expectation & as per guidelines issued by **CBSE, NEW DELHI**.

***Internal Examiner External  Examiner***

***Principal***

**ACKNOWLEDGMENT**

It is with pleasure that I acknowledge my sincere gratitude to our teacher, ***B. CHAARVI*** who taught and undertook the responsibility of teaching the subject computer science. I have been greatly benefited from his classes.

I am especially indebted to our Principal ***<<Principal Name>>*** who has always been a source of encouragement and support and without whose inspiration this project would not have been a successful I would like to place on record heartfelt thanks to him.

Finally, I would like to express my sincere appreciation for all the other students for my batch their friendship & the fine times that we all shared together.

**Hardware and software requirements**

* **Operating System**: Microsoft Windows
* **Frontend:** Python
* **Backend:** MySQL
* **Software Requirements:** IDLE Python 3.9
  + - * + MySQL
        + Microsoft Windows
* **Hardware Requirements:** 512 mb RAM or higher
  + - * + Network connectivity
        + Intel Pentium IV or equivalent or higher
        + 20 GB HDD or higher

**SOURCE CODE**

import os

import platform

import mysql.connector

import pandas as pd

import datetime

mydb = mysql.connector.connect(user='root', password='12345', host='localhost', database='hotel')

mycursor = mydb.cursor()

def registercust():

l = []

name = input("enter name:")

l.append(name)

addr = input("enter address")

l.append(addr)

indate = input("enter check in date:")

l.append(indate)

outdate = input("enter check out date:")

l.append(outdate)

cust = (l)

sql = "insert into custdata(name,addr,indate,outdate)values(%s,%s,%s,%s)"

mycursor.execute(sql, cust)

mydb.commit()

def roomtypeview():

print("do you want to see the types of rooms available: if yes enter 1")

ch = int(input("enter your choice:"))

if ch == 1:

sql = "select \* from roomtype"

mycursor.execute(sql)

rows = mycursor.fetchall()

for x in rows:

print(x)

def roomrent():

print("we have the following rooms for you")

print("1:type Ars1000 pn\-")

print("2:type B-rs2000 pn\-")

print("3:type C-rs3000 PN\-")

print("4:type D-rs4000 PN\-")

x = int(input("Enter Your Choice Please:"))

n = int(input("how many nights do you want to stay:"))

if x == 1:

print("you have opted room type A")

s = 1000 \* n

elif x == 2:

print("you have opted room type B")

s = 2000 \* n

elif x == 3:

print("you have opted room type C")

s = 3000 \* n

elif x == 4:

print("you have opted room type D")

s = 4000 \* n

else:

print("please choose a room")

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

return s

def restaurentmenuview():

print("we will be providing you the menu available: Enter 1 if yes:")

ch = int(input("enter your choice:"))

if ch == 1:

a = "select \* from restaurent"

mycursor.execute(a)

rows = mycursor.fetchall()

for x in rows:

print(x)

def orderitem():

s = 0

print("we will be providing you the menu available: Enter 1 if yes:")

ch = int(input("enter your choice:"))

if ch == 1:

b = "select \* from restaurent"

mycursor.execute(b)

rows = mycursor.fetchall()

for x in rows:

print(x)

print("do you want to purchase from above list:enter your choice:")

d = int(input("enter your choice:"))

if d == 1:

print("you have ordered tea")

a = int(input("enter quantity"))

s = 10 \* a

print("your amount for tea is :", s, "\n")

elif d == 2:

print("you have ordered coffee")

a = int(input("enter quantity"))

s = 10 \* a

print("your amount for coffee is :", s, "\n")

elif d == 3:

print("you have ordered cold drink")

a = int(input("enter quantity"))

s = 20 \* a

print("your amount for cold drink is :", s, "\n")

elif d == 4:

print("you have ordered samosa")

a = int(input("enter quantity"))

s = 10 \* a

print("your amount for samosa is :", s, "\n")

elif d == 5:

print("you have ordered sandwich")

a = int(input("enter quantity"))

s = 50 \* a

print("your amount for sandwich is :", s, "\n")

elif d == 6:

print("you have ordered dhokla:")

a = int(input("enter quantity"))

s = 30 \* a

print("your amount for dhokla is :", s, "\n")

elif d == 7:

print("you have ordered kachori")

a = int(input("enter quantity"))

s = 10 \* a

print("your amount for kachori is :", s, "\n")

elif d == 8:

print("you have ordered milk")

a = int(input("enter quantity"))

s = 20 \* a

print("your amount for milk is :", s, "\n")

elif d == 9:

print("you have ordered noodles")

a = int(input("enter quantity"))

s = 50 \* a

print("your amount for noodles is :", s, "\n")

elif d == 10:

print("you have ordered pasta")

a = int(input("enter quantity"))

s = 50 \* a

print("your amount for pasta is :", s, "\n")

else:

print("please enter your choice from the menu")

return s

def laundarybill():

z = 0

print("Do you want to see rate for laundry: Enter 1 for yes:")

ch = int(input("enter your choice:"))

if ch == 1:

sql = "select \* from laundary"

mycursor.execute(sql)

rows = mycursor.fetchall()

for x in rows:

print(x)

y = int(input("Enter Your number of clothes->"))

z = y \* 10

print("your laundry bill:", z, "\n")

return z

def viewbill(z, s):

a = input("enter customer name:")

print("customer name:", a, "\n")

print("laundry bill:")

print(z)

print("restaurant bill:")

print(s)

def Menuset():

print("enter 1: To enter customer data")

print("enter 2: To view room type")

print("enter 3: for calculating room bill")

print("enter 4: for viewing restaurant menu")

print("enter 5: for restaurant bill")

print("enter 6: for laundry bill")

print("enter 7: for complete bill")

print("enter 8: for exit:")

try:

userinput = int(input("please select an above option:"))

except ValueError:

exit("\nhi, that's not a number")

if userinput == 1:

registercust()

elif userinput == 2:

roomtypeview()

elif userinput == 3:

s = roomrent()

elif userinput == 4:

restaurentmenuview()

elif userinput == 5:

s = orderitem()

elif userinput == 6:

z = laundarybill()

elif userinput == 7:

viewbill(z, s)

elif userinput == 8:

quit()

else:

print("enter correct choice")

runagn = input("\nwant to run again? (y/n):")

while runagn.lower() == 'y':

if platform.system() == "windows":

print(os.system("cls"))

else:

print(os.system('clear'))

Menuset()

userinput = int(input("please select an above option:"))

if userinput == 1:

registercust()

elif userinput == 2:

roomtypeview()

elif userinput == 3:

s = roomrent()

elif userinput == 4:

restaurentmenuview()

elif userinput == 5:

s = orderitem()

elif userinput == 6:

z = laundarybill()

elif userinput == 7:

viewbill(z, s)

elif userinput == 8:

quit()

else:

print("enter correct choice")

runagn = input("\nwant to run again? (y/n):")

**OUTPUT SCREENS**

**BIBLIOGRAPHY**

In order to work on this project titled **HOTEL MANAGEMENT,** the following books and links are referred by me during the phases of development of the project.

1. <http://www.mysql.org/>
2. <http://www.pythontrends.wordpress.com/>
3. Computer Science for Class XII by Sumita Arora