KENDRIYA VIDYALAYA

STEEL PLANT VIZAG

A PROJECT REPORT ON:

Hotel Management

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

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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

```python
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:"))
```

```python
    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")
```

```python
        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
```

```python
        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"))
```

```python
            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()
```

```python
    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")
```

```python
    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:
```

```python
        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