

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in

Information Technology

By

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Reg. No:38120083



DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI -
600119
JANUARY 2021



SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

(Established under Section 3 of UGC Act, 1956)
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai -
600119 www.sathyabama.ac.in



SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of T RAGHUL SUDHARSAN (Reg.no.38120083) who carried out the project entitled **“HOTEL MANAGEMENT SYSTEM”** under our supervision from Jan 2021 to April 2021.

Internal Guide

Name and Signature

Dr.P.AJITHA

Head of the Department

Name and Signature

Dr.SUBHASHINI M.E., Ph.D. ,

Submitted for Viva voce Examination held on

Internal Examiner

External Examiner

DECLARATION

I T RAGHUL SUDHARSAN hereby declare that the Project Report entitled “**HOTEL MANAGEMENT SYSTEM**” done by me under the guidance of **DR.P.AJITHA** and **Dr.SUBHASHINI M.E., Ph.D. ,** (External) at **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering / Technology degree in **INFORMATION TECHNOLOGY**

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management** of

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY for their

kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T.Sasikala M.E., Ph.D**, Dean, School of Computing **Dr.SUBHASHINI M.E., Ph.D.** , Head of the Department of Information and Technology for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **Dr.P.AJITHA** suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the **Department of Information Technology** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE

**RETECH**
SOLUTIONS PVT. LTD.
An ISO 9001:2015 certified company

INT: RE20S094

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **RAGHUL SUDHARSAN T** student of **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, BTECH/IT** has undergone the Internship Training through online in our concern entitled **PYTHON** from **17th Aug 2020 to 31st Aug 2020** in relevant departments related to their academic studies.

During the above period, the performance was good & we wish great success in all your future endeavours.

J. men

Technology drives the world. We are the people who are behind the technology.

Authorised Signature



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CERTIFICATE OF MERIT

This is to certify that VENKIL SUDHARSHAN . T (Reg No. 38120083) has
successfully completed the internship in PYTHON Application Development in our
concern from 21-12-19 to 20-12-19.
During the internship period, the performance of the intern was found to be GOOD.

M. R. C.

Program Coordinator



HR Head

ABSTRACT

This project aims at creating on Hotel Management System which can be used by Admin and Customers. The admin to advise/publish the availability of rooms in different hotels and customers are checking the availability of room in required hotel. Customers should be able to know the availability of the rooms on a particular date to reserve in hotel. They should be able to reserve the available rooms according to their need in advance to make their stay comfortable. The Admin hands the booking information of customers. The users can register and log into the system. The administrator will know the details of reservation and daily income. The hotel department maintain the seat availability and booking details in certain database. This project provides high security to Admin and user information.

The main objective of this project is to design a hotel management system for running a hotel business. The system should be as flexible as possible so that it can be used for different hotels. You have to find out which procedures hotels have used for different hotels. You have to find out which procedures hotels have and based on that information, you should create a system which makes it efficient. You need to find out how a hotel system works on the internet, use your own experience or directly talk to

people in the hotel business. The more diverse the sources of your information are, the better will be the resulting system and, possibly, your grade.

INTRODUCTION

The project, Hotel Management System is a web-based application that allows the hotel manager to handle all hotel activities online. Interactive GUI and the ability to manage various hotel bookings and rooms make this system very flexible and convenient. The hotel manager is a very busy person and does not have the time to sit and manage the entire activities manually on paper. This application gives him the power and flexibility to manage the entire system from a single online system. Hotel management project provides room booking, staff management and other necessary hotel management features. The system allows the manager to post available rooms in the system. Customers can view and book room online. Admin has the power of either approving or disapproving the customer's booking request. Other hotel services can also be viewed by the customers and can book them too. The system is hence useful for both customers and managers to portable manage the hotel activities.

AIM

The mission is to facilitate easy management and administration of a hotel with capabilities to do Booking or reservations of the rooms, Cancellation of the rooms, Cash billing, Room service, Restaurant service, Restaurant Billing, Total Billing, Travels arrangement etc. using the automated hotel management software. One can Keep detailed records or info on an unlimited amount of customers. The system lets the user Know which all rooms are available for occupancy at any point of time. This makes the Booking considerably faster. And thus helps the hotel in better management and reduce a lot of paper work as well as manpower.

EXISTING SYSTEM

In the existing system, only provides the information about particular hotel and only some of the hotels has possibility to reserve the rooms. The previous system was failure to publish the room's availability of multiple hotels. And, it is failure to provide defence to admin and user information.

PROPOSED SYSTEM

The hotel management system provides the quality service to the end user. This project aims at creating on Hotel Management System which can be used by Admin and Customers. The admin to advise/publish the availability of rooms in different hotels and customers are checking the availability of room in required hotel. Customers should be able to know the availability of the rooms on a particular date to reserve in hotel. They should be able to reserve the available rooms according to their need in advance. To make their stay comfortable. The Admin hands the booking information of customers. The users can register and log into the system. The administrator will know the details of reservation and daily income.

FEASIBILITY STUDY

A feasibility study is a high-level capsule version of the entire System analysis and Design Process. The study begins by classifying the problem definition. Feasibility is to determine if it's worth doing. Once an acceptance problem definition has been generated, the analyst develops a logical model of the system. A search for

alternatives is analyzed carefully. There are 3 parts in feasibility study.

1) Operational Feasibility

2) Technical Feasibility

3) Economical Feasibility

OPERATIONAL FEASIBILITY

Operational feasibility is the measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development. The operational feasibility assessment focuses on the degree to which the proposed development projects fits in with the existing business environment and objectives with regard to development schedule, delivery date, corporate culture and existing business processes. To ensure success, desired operational outcomes must be imparted during design and development. These include such design-dependent parameters as reliability, maintainability, supportability, usability, producibility, disposability, sustainability, affordability and others. These parameters are required to be considered at the early stages of design if desired operational behaviours are to be realised. A system design and development requires appropriate and timely

application of engineering and management efforts to meet the previously mentioned parameters. A system may serve its intended purpose most effectively when its technical and operating characteristics are engineered into the design. Therefore, operational feasibility is a critical aspect of systems engineering that needs to be an integral part of the early design phases.

TECHNICAL FEASIBILITY

This involves questions such as whether the technology needed for the system exists, how difficult it will be to build, and whether the firm has enough experience using that technology. The assessment is based on outline design of system requirements in terms of input, processes, output, fields, programs and procedures. This can be qualified in terms of volume of data, trends, frequency of updating in order to give an introduction to the technical system. The application is the fact that it has been developed on windows XP platform and a high configuration of 1GB RAM on Intel Pentium Dual core processor. This is technically feasible. The technical feasibility assessment is focused on gaining an understanding of the present technical resources of the organization and their

applicability to the expected needs of the proposed system. It is an evaluation of the hardware and software and how it meets the need of the proposed system.

ECONOMICAL FEASIBILITY

Establishing the cost-effectiveness of the proposed system i.e. if the benefits do not outweigh the costs then it is not worth going ahead. In the fast paced world today there is a great need of online social networking facilities. Thus the benefits of this project in the current scenario make it economically feasible. The purpose of the economic feasibility assessment is to determine the positive economic benefits to the organization that the proposed system will provide. It includes quantification and identification of all the benefits expected. This assessment typically involves a cost/benefits analysis.

Following are the main managing hotel

problem in manually

- Manually keeping records is very time consuming.
- Data is not always reliable as it is hand written and some human errors might have occurred example wrong telephone number among other.
- Slow process of reservation. User has find manually whether room is available or not.
- Hotel information data are not secured. It can be easily theft or altered.
- Finding records are very time consuming.
- Retrieval of guest records is extremely difficult. User has to manually search each records to find the required information. It takes lot of time.

Features

1) Must automate hotel operations

The system must easily automate operations for housekeeping, front desk, reporting, Point of Sale (POS) systems, and more. The critical functions should be rolled into one single system.

2) **Should provide ease of access**

A single dashboard that allows your team members to collaborate and manage without errors should be one of the topmost priorities. The hotel management system should be accessible from anywhere, anytime.

3) **Should allow unlimited users**

Any hotel's staff numbers may increase or decrease. The chosen hotel management system must allow flexibility to modify number of users for no additional cost.

4) **Connect with channel managers**

[Hotel software that can integrate with major channel managers](#) allow hoteliers to manage inventory in real-time, without double booking issues.

5) **Capture and analyze guest details**

Cloud-based hotel software which can gather and store guest information, preferences and details that help to predict and analyze customer behavior should be most-preferred. This greatly facilitates guest service excellence

6) **Offer security of data, payment gateway**

Select a hotel management software which includes secure card payments. One with a choice of integrated payment gateways is a must-have.

7) **Strong after-sales support**

The chosen cloud-based hotel software must have a strong and reliable after-sales support. A 24 X 7 service is a must for any issues faced.

8) **3rd Party integrations**

The hotel software must integrate seamlessly with other applications. An own web booking engine, TripAdvisor connects, Booking Suite, Global Distribution System (GDS) connect, SnapShot, and more are a must to manage a hotel's operations and sales.

9) **Detailed reports**

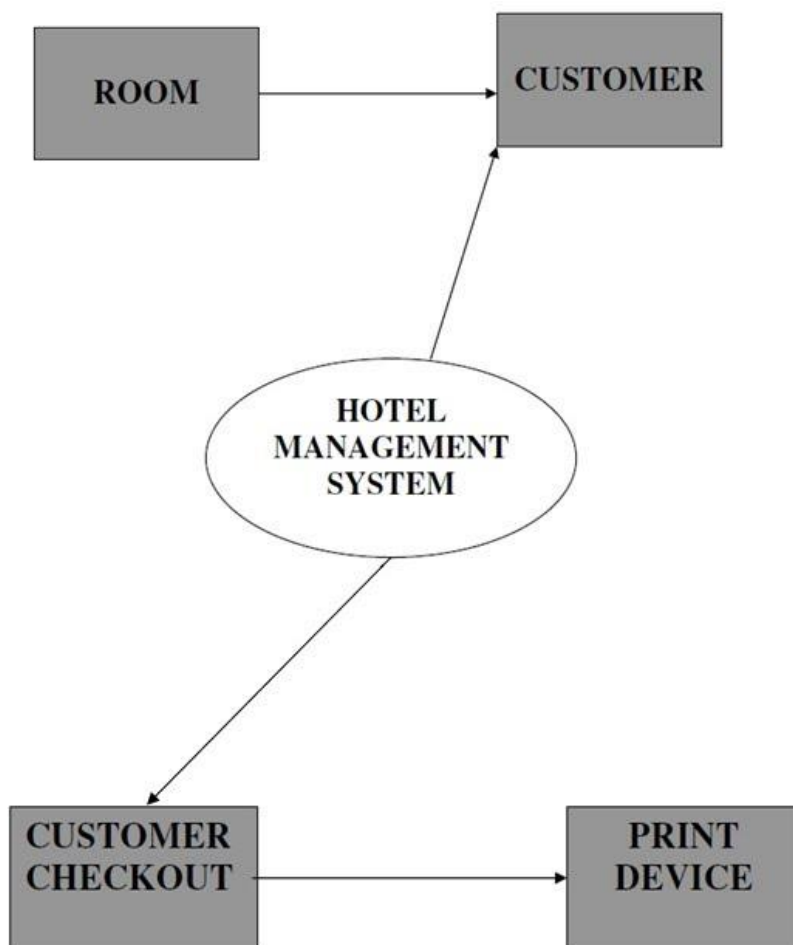
Your hotel software must provide detailed reports and audit trails of various departments (e.g. housekeeping, POS, accounts, etc.) Reports must give a deeper insight on the revenue generation.

10) **Multiple features**

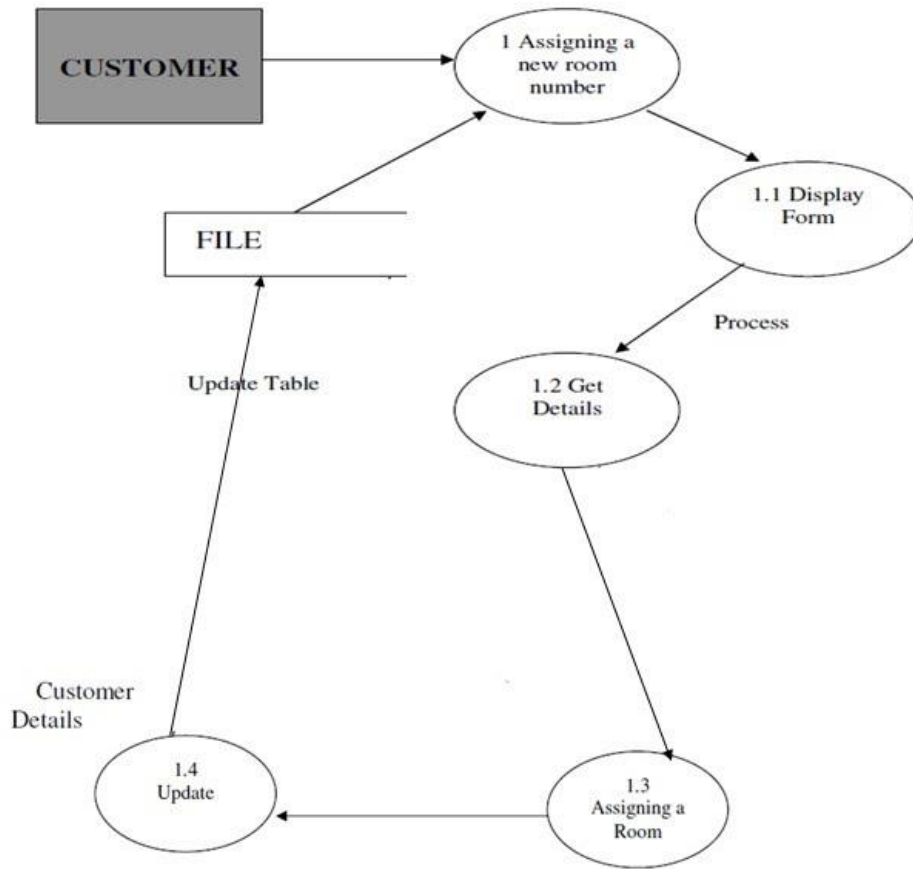
A hotel management system must include unlimited POS (for no extra charge), offer multi-language support, a currency convertor, and should be available as a pay-as-you-go service.

DFD (DATA FLOW DIAGRAM) OF HOTEL MANAGEMENT SYSTEM

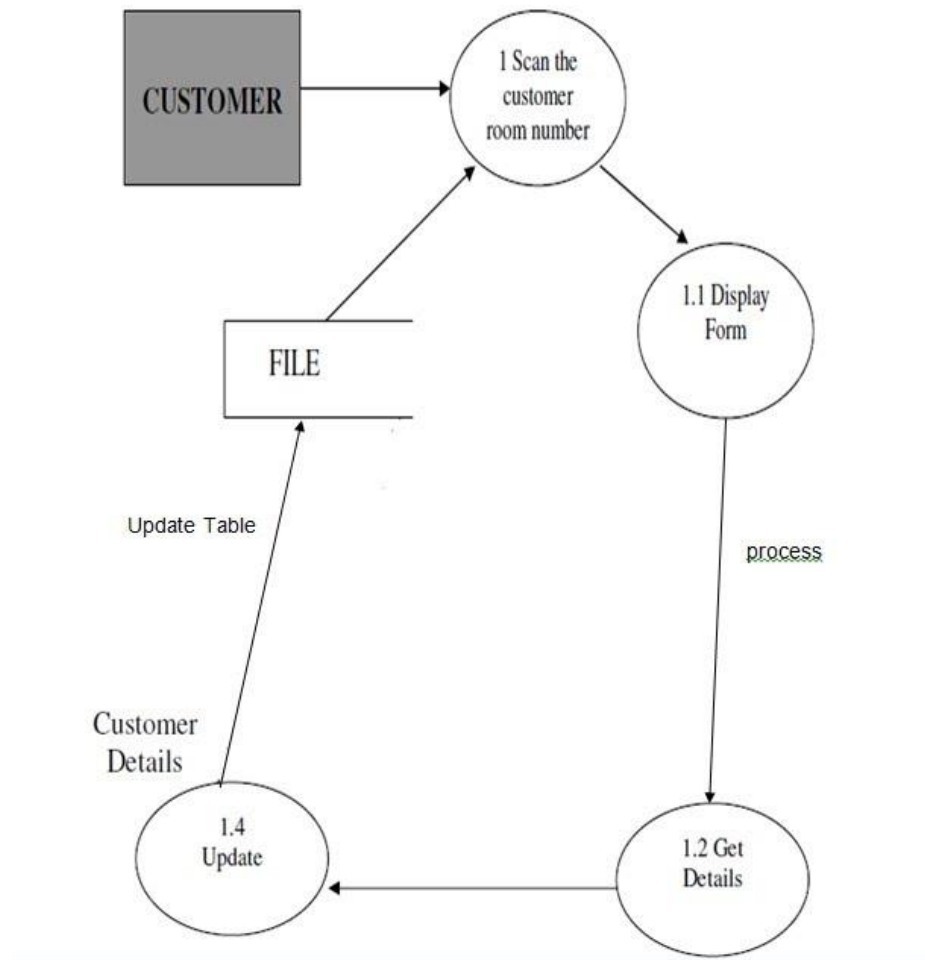
CONTEXT LEVEL DFD



DATA FLOW DIAGRAM CHECK-IN OF A NEW CUSTOMER

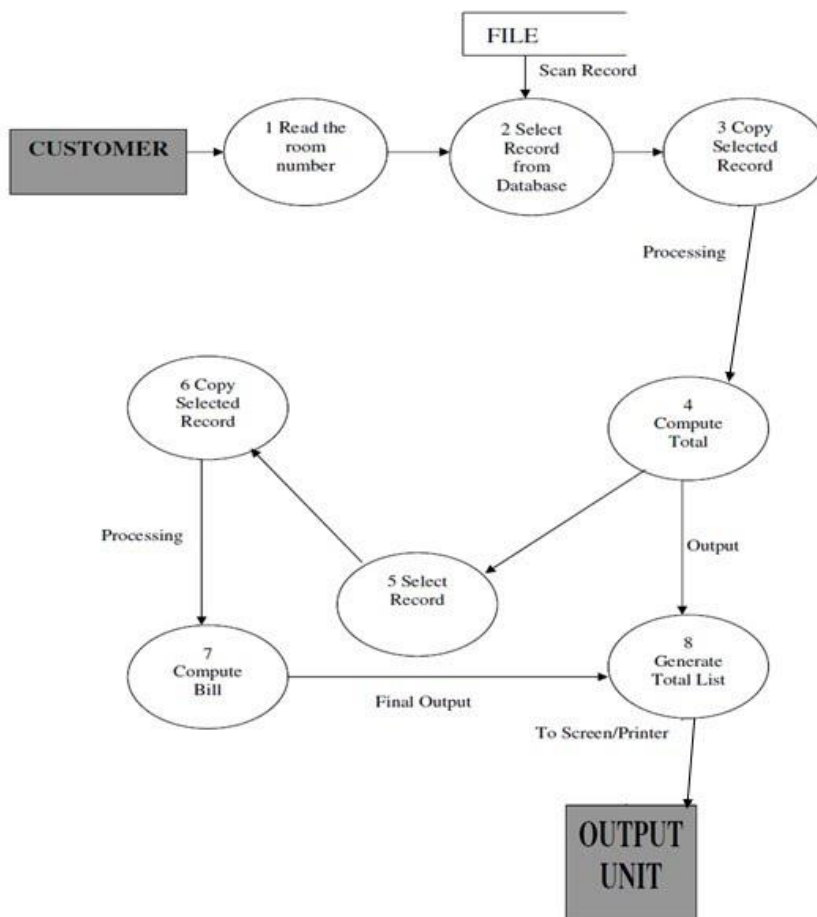


DATA FLOW DIAGRAM CHECK-OUT OF CUSTOMER

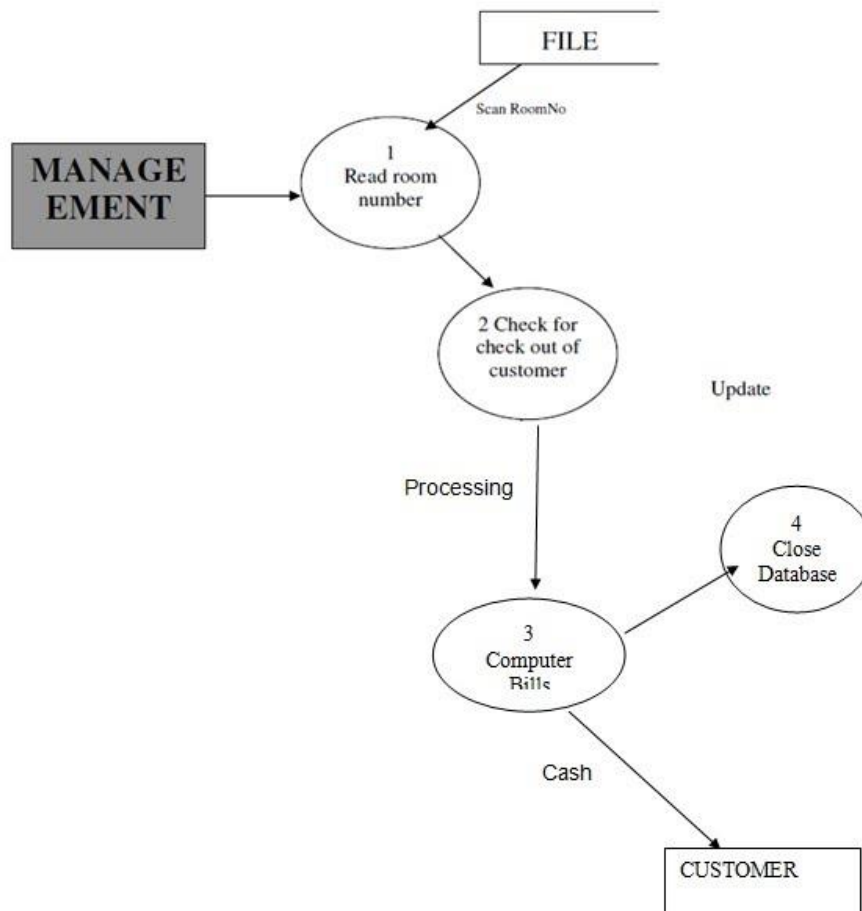


DATA FLOW DIAGRAM

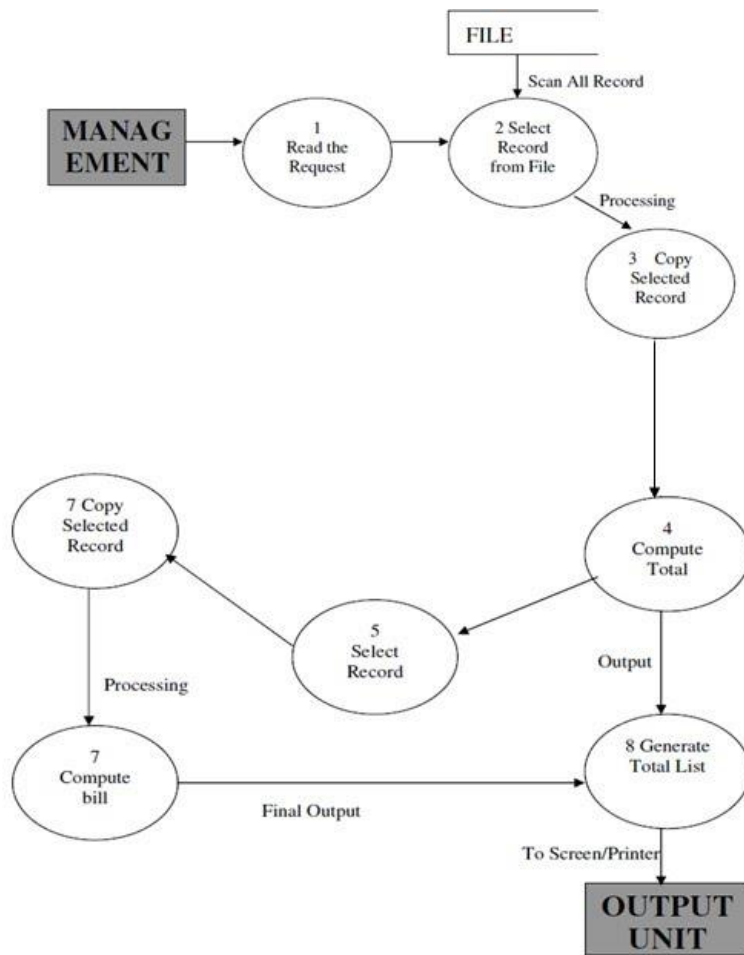
LISTING OF CUSTOMERS



DATA FLOW DIAGRAM GENERATING BILL OF CUSTOMER



DATA FLOW DIAGRAM LIST OF ALL RECORDS



SOURCE CODE

The screenshot displays a Windows 10 desktop environment. The primary application is a code editor, likely Visual Studio Code, showing a Python script named `hotelFarencal.py`. The script defines a class `HotelFarencal` with the following methods:

- `__init__(self, rno, s, a, p, r, o, t, w, a, i, n, o, c, o, u, t, d, a, t, e):` Initializes the object with attributes for room number, status, address, price, room type, weight, area, inventory number, check-in date, and check-out date.
- `print(self):` Prints the details of the hotel room.
- `roomrent(self):` Prints the room number and the list of available rooms.

The code editor's interface includes a menu bar at the top (File, Edit, View, Navigate, Code, Refactor, Run, Tools, Help), a sidebar on the left showing the project structure (CMS PROJECT, hotelFarencal.py, hotelFarencal.py), and a status bar at the bottom (Python 3.9.13, 917, Python 3.9.13, 917, Python 3.9.13, 917). The Windows taskbar at the bottom shows the Start button, a search bar, and several pinned applications including Edge, File Explorer, and various utility tools.

The screenshot displays a Windows 10 desktop environment. The primary focus is the Visual Studio Code (VS Code) application, which is open to a file named 'Hotelms (2).py'. The file is located within a project directory structure that includes 'CMS PROJECT', 'Hotelms (2).py', and 'Hotelms (2).py'. The code is a Python script for a hotel reservation system. It prompts the user for their choice of room type (A, B, or C) and the number of nights they plan to stay. It then calculates the total cost based on the room type and nights, and displays the result. The script uses a loop to allow the user to make multiple reservations. The code is written in Python 3.6.1. A tooltip is visible over the code, indicating a PEP 8 style issue: 'PEP 8 §225 missing whitespace around operator'. The taskbar at the bottom shows various application icons and the system clock.

```

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```

PEP 8 §225 missing whitespace around operator
Remove redundant parentheses
Reformat file Alt+Shift+Enter More actions... Alt+Enter

Run TODO Problems Terminal Python Console

Type here to search

9:17 Python 3.6 (CMS_PROJECT) 2/26/2017

The screenshot shows a Visual Studio Code editor window with a file explorer on the left and a code editor on the right. The file explorer displays a project named 'CMS PROJECT' located at 'C:\Users\Karthik M\PythonProjects\CMS'. Inside the project, there are files like 'cmsenv', 'pythontutorial.py', 'cmscode.py', and 'External Libraries'. The code editor shows the contents of 'Hotelsm.py', which is a Python script for a hotel management system. The code includes comments in Hindi and implements logic for room selection, pricing, and bill calculation.

```
62 # Room type selection
63 elif (x==0):
64     print("you have opted room type B")
65
66     self.s=1000*n
67
68 else:
69
70     print("please choose a room")
71
72     print("your room rent is "+str(self.s)+"\n")
73
74 def restaurantbill(sel):
75
76     print("====RESTAURANT MENU====")
77
78     print("1.water----->Rs20","2.tea----->Rs10","3.breakfast combo-->Rs90","4.lunch--->Rs110","5.dinner---->Rs150","6.Exit")
79
80
81 while (1):
82
83     c=int(input("Enter your choice:-"))
84
85
86     if (c==1):
87         d=int(input("Enter the quantity:-"))
88         self.rsself.r+=20*d
89
90     elif (c==2):
91         d=int(input("Enter the quantity:-"))
92         self.rsself.r+=10*d
```

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help CMS_PROJECT C:\Users\Karthik M\Downloads\Hotelsms (2).py
Project CMS_PROJECT C:\Users\Karthik M\PythonProjects\CMS
> view history root
> cmspy
> pythonatdb
> qrcodepy
> External Libraries
> Scratches and Consoles
Hotelsms (2).py
92 self.rgself.r+10*d
93
94 elif (e==3):
95     d=int(input("Enter the quantity:"))
96     self.rgself.r+90*d
97
98 elif (e==4):
99     d=int(input("Enter the quantity:"))
100     self.rgself.r+10*d
101
102 elif (e==5):
103     d=int(input("Enter the quantity:"))
104     self.rgself.r+10*d
105
106 elif (e==6):
107     break
108 else:
109     print("Invalid option")
110
111 print("Total food Cost=Rs",self.r,"ln")
112
113 def laundrybill(self):
114     print("*****LAUNDRY MENU*****")
115
116     print("1.Shorts----->Rs3","2.Trousers----->Rs4","3.Shirt--->Rs5","4.Jeans----->Rs6","5.Girlsuit--->Rs8","6.Exit")
117
118 while (1):
119     d=rsplit to you by code-projects.org
120     e=int(input("Enter your choice:"))
121
122     if (e==1):
123         self.rgself.r+3*d
```

```
Hotelsms (2).py
120 d=rsplit to you by code-projects.org
121 e=int(input("Enter your choice:"))
122
123 if (e==1):
124     f=int(input("Enter the quantity:"))
125     self.rgself.t+3*f
126
127 elif (e==2):
128     f=int(input("Enter the quantity:"))
129     self.rgself.t+4*f
130
131 elif (e==3):
132     f=int(input("Enter the quantity:"))
133     self.rgself.t+5*f
134
135 elif (e==4):
136     f=int(input("Enter the quantity:"))
137     self.rgself.t+6*f
138
139 elif (e==5):
140     f=int(input("Enter the quantity:"))
141     self.rgself.t+8*f
142
143 elif (e==6):
144     break
145 else:
146     print("Invalid option")
147
148 print("Total laundry Cost=Rs",self.t,"ln")
149
150
```

```
Hotelsms (2).py
181 h=int(input("No. of hours:"))
182 self.pgself.p+50*h
183
184 elif (q==6):
185     break
186
187 else:
188     print("Invalid option")
189
190
191 print("Total Game Bill=Rs",self.p,"ln")
192
193
194 def display(self):
195     print("*****HOTEL BTL*****")
196     print("Customer details:")
197     print("Customer name:",self.name)
198     print("Customer address:",self.address)
199     print("Check in date:",self.cindate)
200     print("Check out date:",self.coutdate)
201     print("Room no.",self.rno)
202     print("Your Room rent is:",self.x)
203     print("Your Food bill is:",self.r)
204     print("Your Laundry bill is:",self.t)
205     print("Your Game bill is:",self.p)
206
207     self.rgself.s=self.t+self.p+self.r
208
209     print("Your sub total bill is:",self.rgself.s)
210     print("Additional Service Charges is:",self.a)
211     print("Your grandtotal bill is:",self.rgself.s+self.a,"ln")
212
```

```

def main():
    a.hotelfarecal()

    while (1):
        print("1.Enter Customer Data")
        print("2.Calculate roomrent")
        print("3.Calculate restaurant bill")
        print("4.Calculate laundry bill")
        print("5.Calculate gamebill")
        print("6.Show total cost")
        print("7.EXIT")
        b=input("\nEnter your choice:")
        if (b==1):
            a.inputdata()
        if (b==2):
            a.roomrent()

```

```

    a.inputdata()

    if (b==2):
        a.roomrent()
    if (b==3):
        a.restaurantbill()
    if (b==4):
        a.laundrybill()
    if (b==5):
        a.gamebill()
    if (b==6):
        a.display()
    if (b==7):
        quit()

main()

```

class hotelfarecal:

def
 __init__(self,rt="s=0,p=0,r=0,t=0,a=1800,name="",address="",cindate="",co
 utdate="",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 Laundry 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 laundry 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):

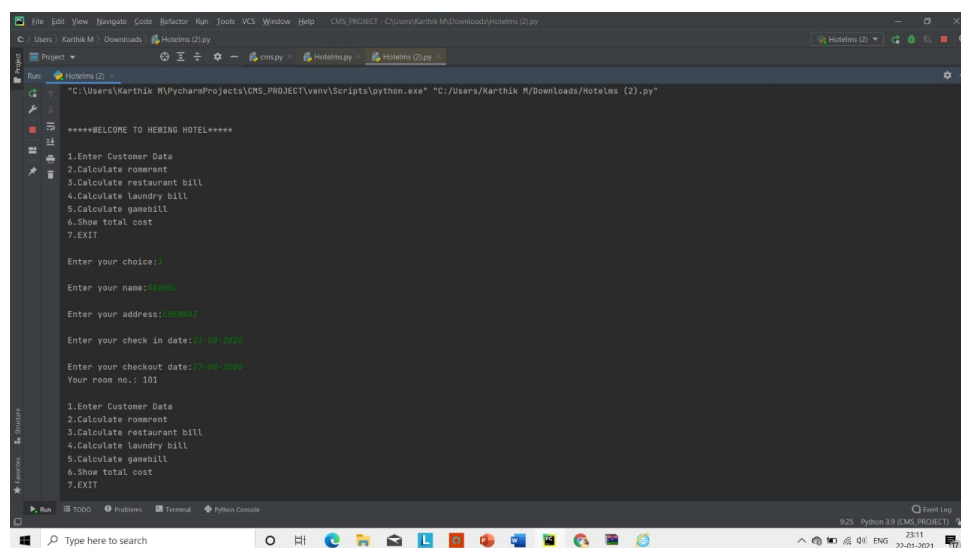
a.display()

if (b==7):

quit()

main()

OUTPUT



```
file Edit View Navigate Code Refactor Run Tools Window Help C:\Users\Karthik M\Downloads\Hotels (2).py
Project C:\Users\Karthik M\Downloads\Hotels (2).py
Run Hotels (2)
C:\Users\Karthik M\PycharmProjects\CHS_PROJECT\venv\Scripts\python.exe "C:/Users/Karthik M/Downloads/Hotels (2).py"

*****WELCOME TO HEMING HOTEL*****

1.Enter Customer Data
2.Calculate roomrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:1

Enter your name:JOHN
Enter your address:10000
Enter your check in date:22-08-2021
Enter your checkout date:27-08-2021
Your room no.: 101

1.Enter Customer Data
2.Calculate roomrent
3.Calculate restaurant bill
4.Calculate laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT
```

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help C:\Users\Karthik M\Downloads\Hotels (2).py
Hotels (2)
Run
Project
Hotels (2)
1.Calculate restaurant bill
2.Calculate laundry bill
3.Calculate gamebill
4.Show total cost
7.EXIT

Enter your choice:1
Enter your name:KARSHI
Enter your address:THURAI
Enter your check in date:22-08-2020
Enter your checkout date:27-08-2020
Your room no.: 101

1.Enter Customer Data
2.Calculate roomrent
3.Calculate restaurant bill
4.Calculate Laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:1
We have the following rooms for you:-
1. type A---->rs 4000 PM\~
2. type B---->rs 5000 PM\~
3. type C---->rs 4000 PM\~
4. type D---->rs 3000 PM\~
Enter Your Choice Please->
1
```

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help C:\Users\Karthik M\Downloads\Hotels (2).py
Hotels (2)
Run
Project
Hotels (2)
Enter your checkout date:27-08-2020
Your room no.: 101

1.Enter Customer Data
2.Calculate roomrent
3.Calculate restaurant bill
4.Calculate Laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:1
We have the following rooms for you:-
1. type A---->rs 4000 PM\~
2. type B---->rs 5000 PM\~
3. type C---->rs 4000 PM\~
4. type D---->rs 3000 PM\~
Enter Your Choice Please->
C
For How Many Nights Did You Stay:5
you have opted room type C
your room rent is = 20000

1.Enter Customer Data
2.Calculate roomrent
3.Calculate restaurant bill
4.Calculate Laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:1
```

```
File Edit View Navigate Code Refactor Run Tools VCS Window Help C:\Users\Karthik M\Downloads\Hotels (2).py
Hotels (2)
Run
Project
Hotels (2)
*****WELCOME TO HERING HOTEL*****

1.Enter Customer Data
2.Calculate roomrent
3.Calculate restaurant bill
4.Calculate Laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:1
Enter your name:KARSHI
Enter your address:THURAI
Enter your check in date:22-08-2020
Enter your checkout date:27-08-2020
Your room no.: 101

1.Enter Customer Data
2.Calculate roomrent
3.Calculate restaurant bill
4.Calculate Laundry bill
5.Calculate gamebill
6.Show total cost
7.EXIT

Enter your choice:1
```

ADVANTAGES

- Efficiency-oriented solutions.
- Diminishing double or over-bookings.
- Manage guest reservations.
- Key pillar to hotel's success- Guest Satisfaction.

CONCLUSION

The conclusion of this project is A Hotel management system is a computerized management system. This system keeps the records of hardware assets besides software of this organization. The proposed system will keep a track of Workers, Residents, Accounts and generation of report regarding the present status. This project has GUI based software that will help in storing, updating and retrieving the information through various user-friendly menu-driven modules. The project “Hotel Management System” is aimed to develop to maintain the day-to-day state of admission/Vacation of Residents, List of Workers , payment details etc. Main objective of this project is to provide solution for hotel to manage most there work using

computerized process. This software application will help admin to handle customers information, room allocation details, payment details, billing information.etc. Detailed explanation about modules and design are provided in project documentation. The existing system is a manually maintained system. All the Hotel records are to be maintained for the details of each customers, Fee details, Room Allocation , Attendance etc. All these details are entered and retrieved manually,because of this there are many disadvantages like Time Consuming ,updating process, inaccuracy of data.For avoiding this we introduced or proposed a new system in proposed system the computerized version of the existing system. provides easy and quick access over the data.