



HOTEL MANAGEMENT SYSTEM

TEAM MEMBERS:

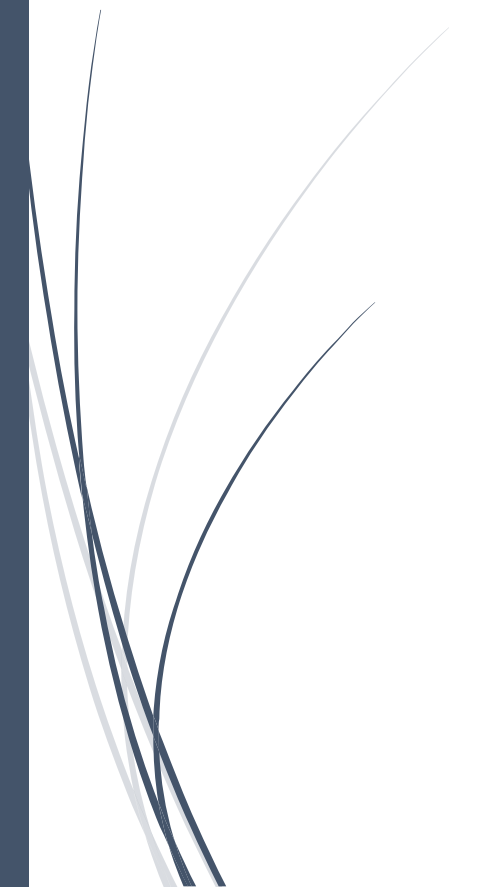
NAVEENKUMAR S

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TEAM GUIDE:

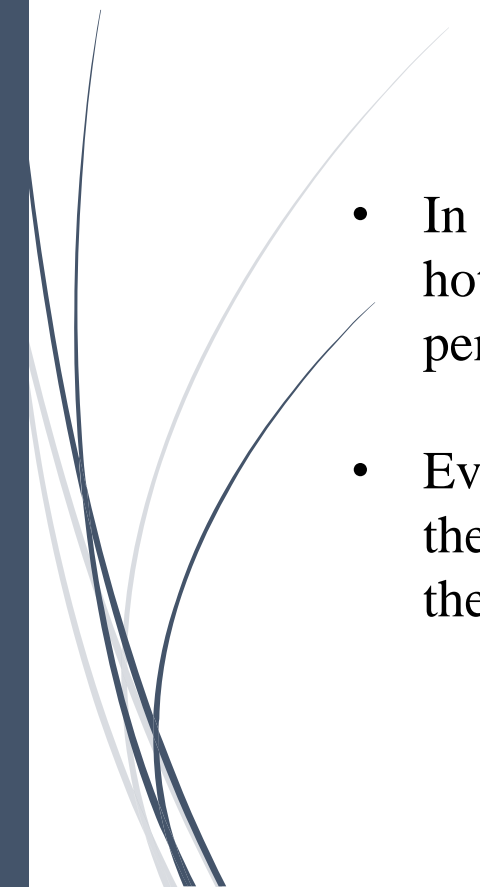
DR.K.MUTHUMAYIL

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PROBLEM IN BRIEF

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- In current scenario all the details related to People living in hotels are managed by humans manually and by the help of pen and paper.
 - Everything is so complex because it is not easy to handle all the information of the various people living in a hotel by the help of registers.

PROJECT OBJECTIVES

- Maintain the hotel rooms and Generate Receipt for every single bookings done.
- Hotel Managers no longer need to work Manually as they can perform every tasks in this software.
- Insert Guests details to the hotel's record , when the allotment is confirmed.
- The Admin can see and access the Guest/Customer data.

EXISTING SYSTEM

- The Existing system is a manually maintained by Admins and managers.
- It involves hand-written records stored into various registers.
- Requires a lot of time as well as manpower.
- It is very difficult to maintain or update all the records and retrieve a certain data.
- The loss or damage of any of the registers loads to damage of hundreds of records at a time.
- Reports need to be generated manually when there is a damage.

DISADVANTAGES OF EXISTING SYSTEM

1. Manual Errors
2. Time Consuming
3. Lack of Data Analysis and Reporting
4. Difficult Record Maintenance
5. Security and Privacy Risks
6. Lack of Integration

PROPOSED SYSTEM

- The Proposed System is having many advantages over the Existing system. The proposed hotel management system focuses on essential functionalities such as check-in, displaying guest information, room details, and check-out processes.
- It provides a user-friendly interface for efficient guest management, real-time access to guest and room data, and seamless check-out procedures, optimizing the overall guest experience and operational efficiency.

ADVANTAGES OF PROPOSED SYSTEM

1. Less Human Error
2. Strength And Strain Of Manual Labor Can Be Reduced
3. High Security
4. Data Redundancy Can Be Avoided To Some Extent
5. Easy To Handle
6. Easy Data Updating
7. Easy Record Keeping

RESOURCE REQUIREMENT

Hardware Requirement

i.Laptop or PC

- Windows 7 or higher.
- i3 processor system or higher.
- 4 GB RAM or higher.
- 50 GB ROM or higher.

ii.Android Phone (6.0 and above) or ios.

Software Requirement

- Python v3.0

Skills

- Python
- Basic Computer Knowledge



PROJECT DESCRIPTION

ADMIN :

☐ **Manage Rooms:**

- They can update rooms.
- They can view the Room status and manage them.

☐ **Manage Guests:**

- The admin can view, add, update or delete Guests from the system.
- They can allocate rooms to the Guests.
- The admin can filter by date for room and guest-id.



DESCRIPTION OF THE PROJECT

GUESTS:

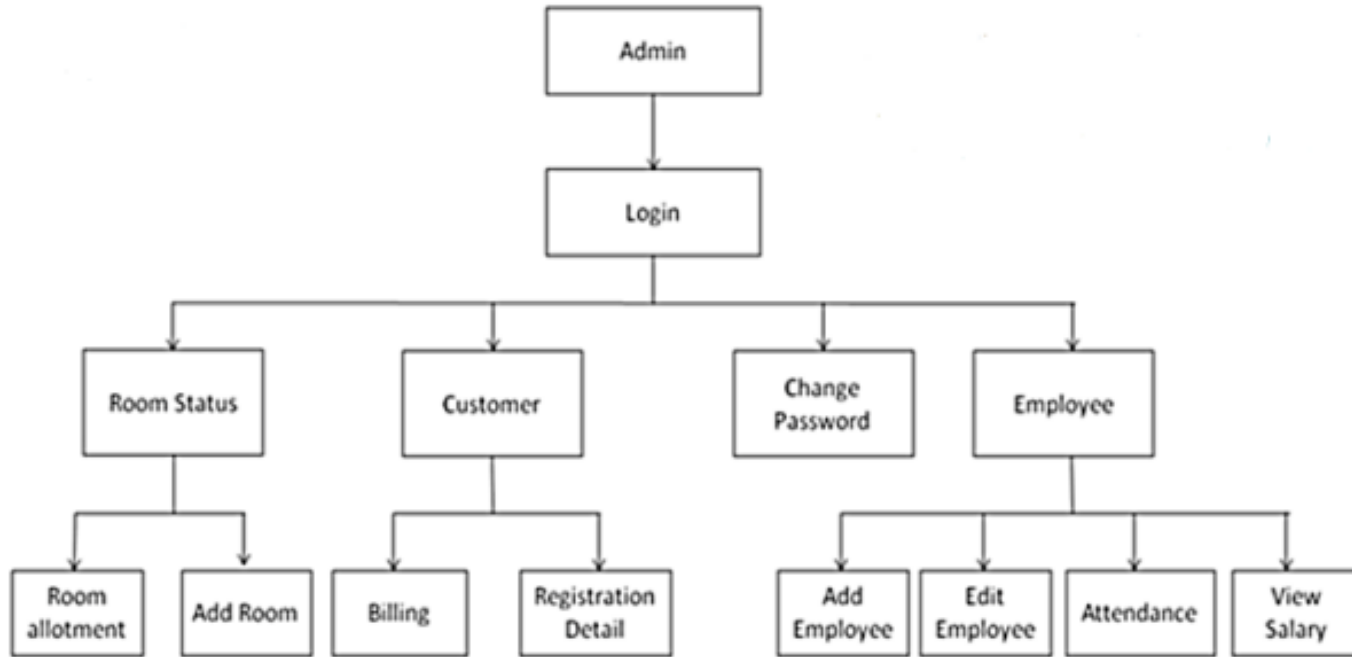
PROFILE:

Guests can update their profile details.

RECEIPT:

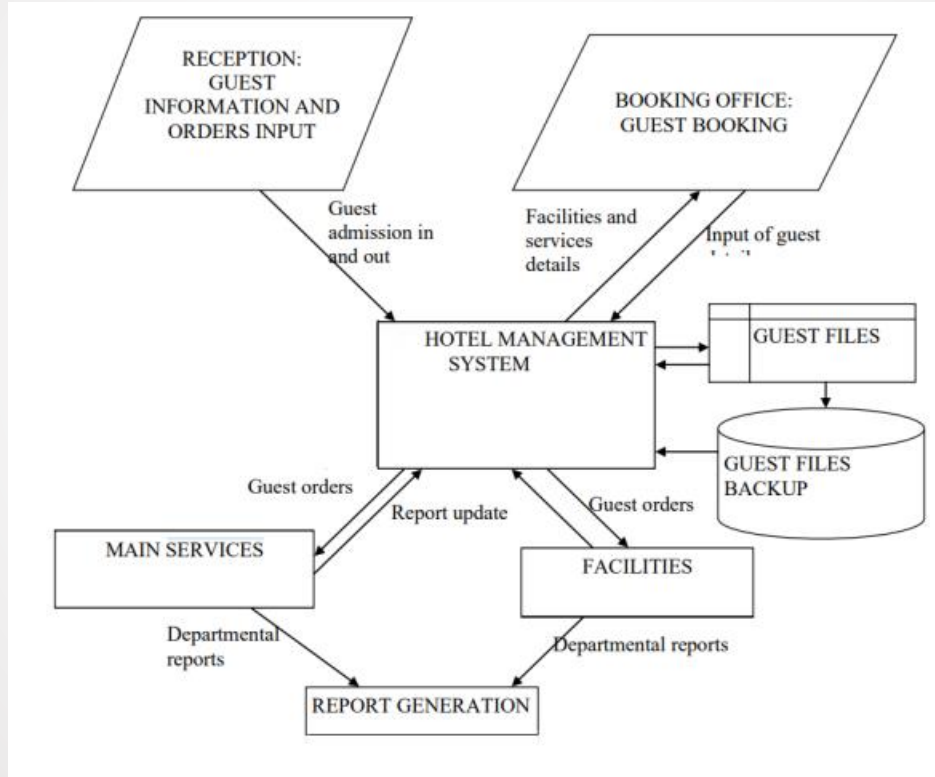
Guests can view the receipt during check out.

SYSTEM ARCHITECTURE

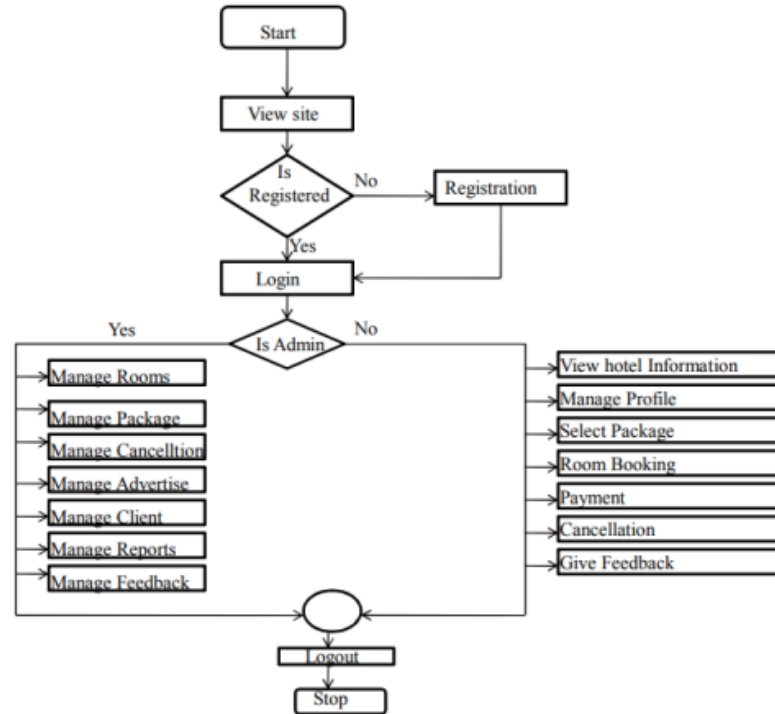


DIAGRAMS

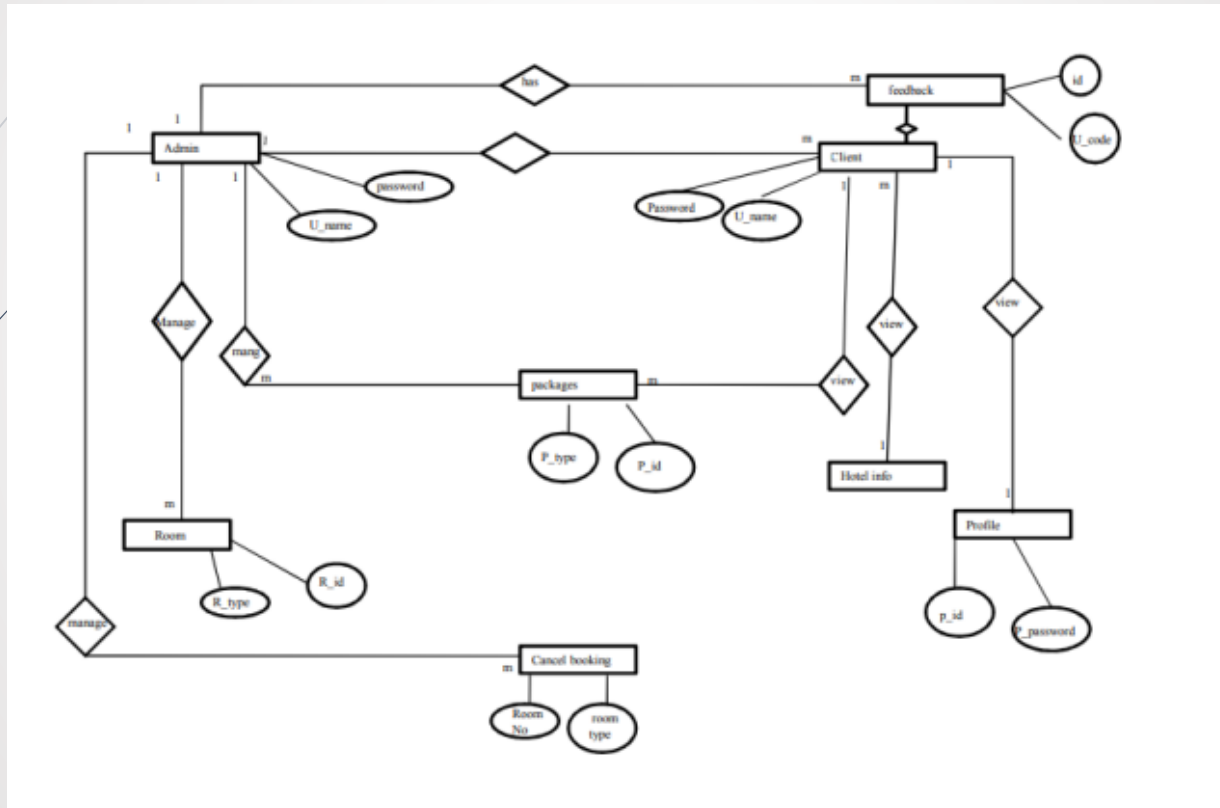
BLOCK DIAGRAM OF HOTEL MANAGEMENT SYSTEM



FLOW DIAGRAM OF HOTEL MANAGEMENT SYSTEM

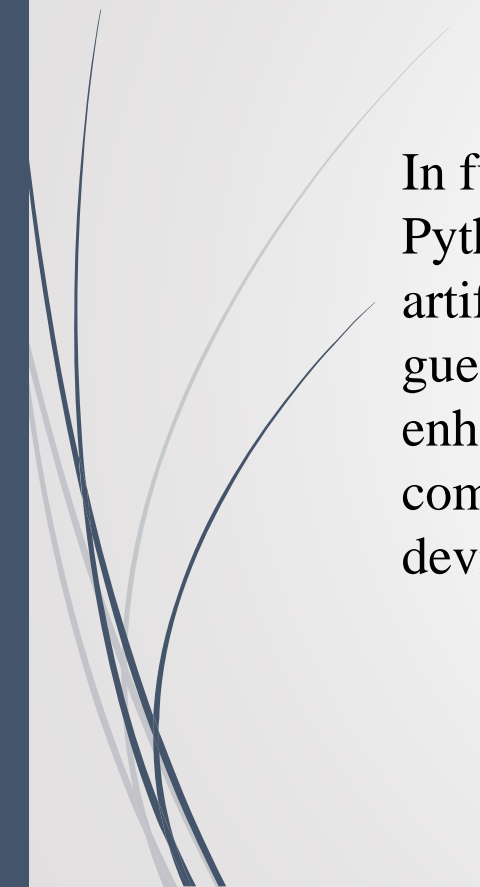


ER DIAGRAM OF HOTEL MANAGEMENT SYSTEM





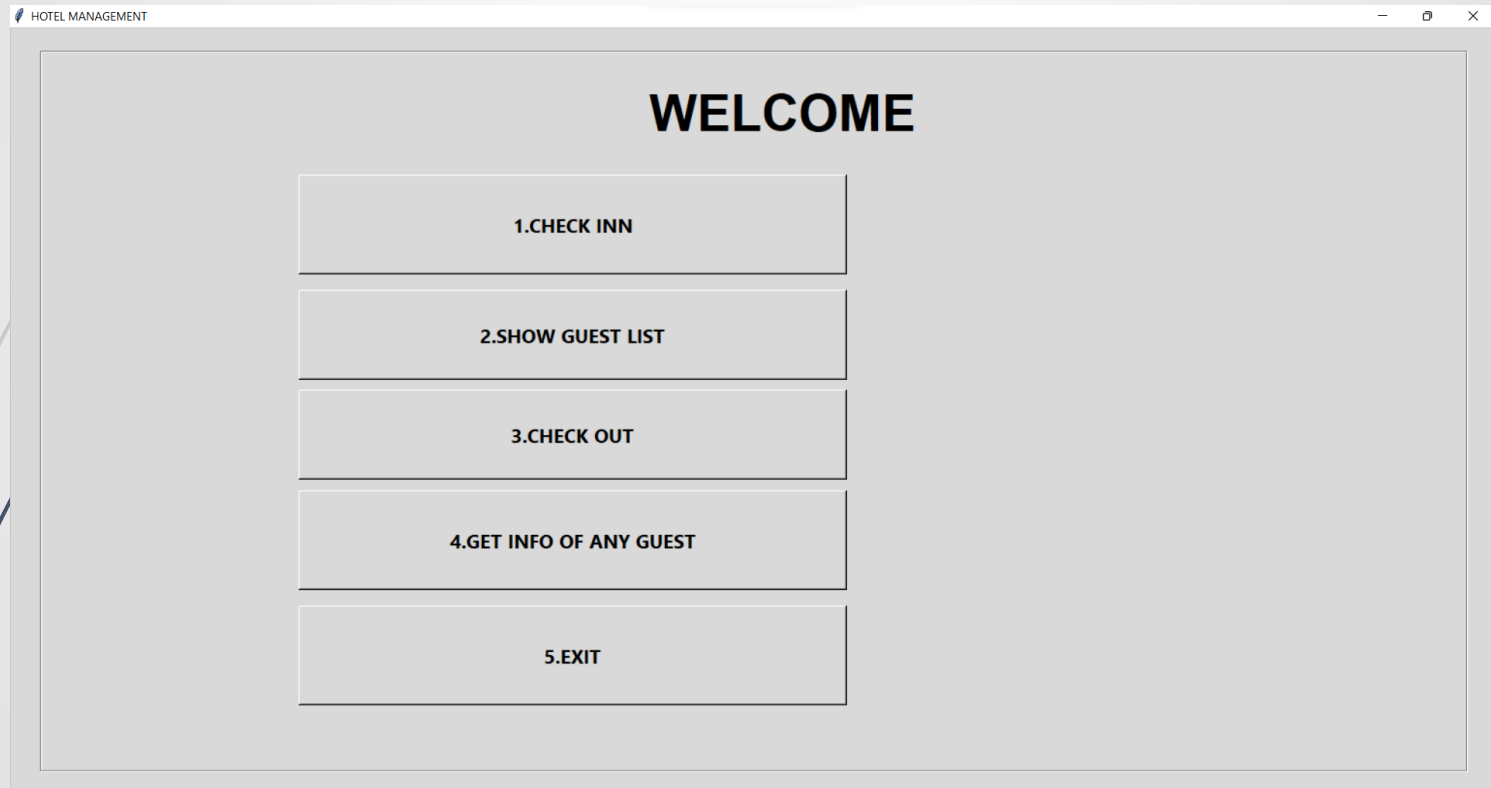
FUTURE ENHANCEMENT



In future work for a hotel management system using Python, potential enhancements could include integrating artificial intelligence for predictive analytics and personalized guest experiences, implementing blockchain technology for enhanced security and transparency, and leveraging cloud computing for scalability and accessibility across multiple devices and locations.

PREVIEW

1.HOME PAGE



2.CHECK-IN PAGE

HOTEL MANGMENT

— □ ×

YOU CLICKED ON

:

CHECK INN

ENTER YOUR NAME

:

Mr.XyZ

OK

ENTER YOUR ADDRESS

:

123,alpha street,Newyork

OK

ENTER YOUR NUMBER

:

9898898899

OK

NUMBER OF DAYS

:

2

OK

CHOOSE YOUR ROOM

☒ DELUXE

☐ FULL DELUXE

☒ By cash

☐ GENERAL

☐ JOINT

☐ By credit/debit card

SUBMIT

name has been inputed

days has been inputed

invalid input please input a valid mobile number

address has been inputed

3.RECEIPT FOR GUEST

recipt

-----Verve Hostels And Stays-----
-----Varkala,Kerala-----
-----Customer Records-----

NAME-Mr.XyZ
ADDRESS-123,alpha street,Newyork
MOBILE NO.-
YOUR TOTAL BILL IS Rs.-4000
YOUR ROOM NUMBER IS 1

4.DISPLAY LIST OF ALL GUESTS:

HOTEL MANAGEMENT	
LIST OF ALL GUEST	
NAMES	ROOM NO.
MR.XYZ	1

5.CHECK OUT:

HOTEL MANAGEMENT

ENTER THE ROOM NO. :

CHECK OUT

valid room number
THANK YOU MR.XYZ FOR VISTING US

6.TO DISPLAY ROOM INFO:

HOTEL MANAGEMENT

GET INFO HERE ..!!

ENTER THE ROOM NO. :

SUBMIT

valid room number

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THANK YOU