

PROJECT REPORT SUBMITTED
IN FULLFILEMENT
OF
PYTHON TRAINING

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PROJECT NAME:-

HOTEL MANAGEMENT SYSTEM

USING

PYTHON TKINTER WITH SQLITE

● **ACKNOWLEDGEMENT**

I take this opportunity to express my profound gratitude and deep regards to my faculty (Prof. Chandan Mukherjee) for his exemplary guidance, monitoring and constant encouragement throughout the course of this project. The blessing, help and guidance given by him/her time to time shall carry me a long way in the journey of life on which I am about to embark.

I am obliged to my project team members for the valuable information provided by them in their respective fields. I am grateful for their cooperation during the period of my assignment.

Full Signature of the Candidates (with date)

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• INTRODUCTION

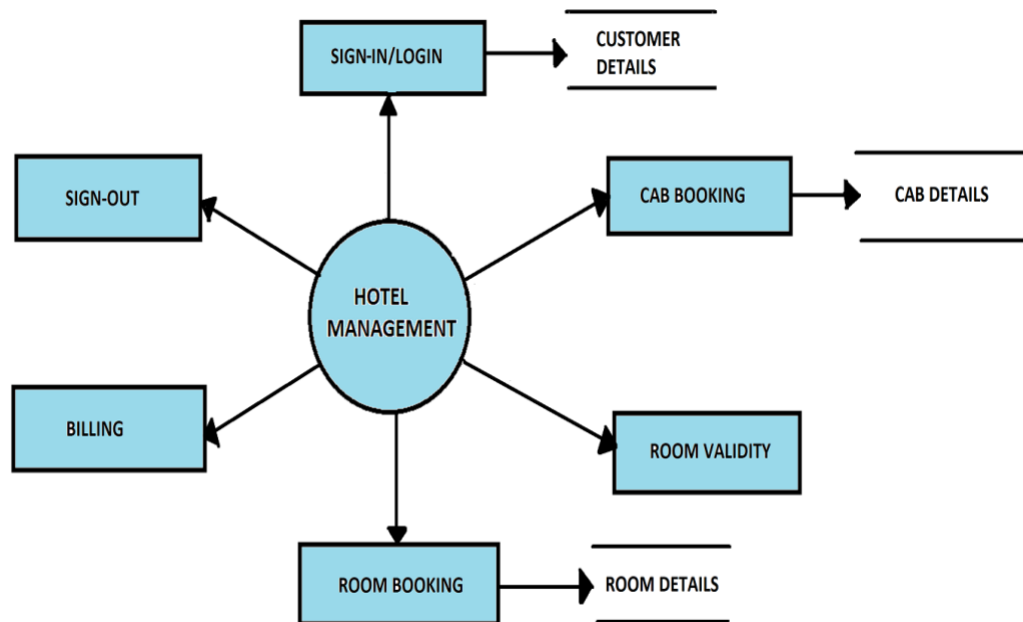
Our hotel management system is a client site system to track a record of various activities going in any hotel so that we can use the information for future enhancement and security of our hotels.

• OBJECTIVE

The aims of this project are as follows:

- 1.) To keep the record of our customers
- 2.) To maintain security of our system
- 3.) To improve our services.
- 4.) To keep the billing records of each day
- 5.) To reduce human efforts
- 6.) The proposed system is a hotel management system which will allow for staff to view rooms that are available and highlight rooms that have already been booked.

• SYSTEM ARCHITECTURE



• MODULES AND FUNCTIONALITY

1. Login module:- Customer used to login and the information of the customer get stored.

2. Room Booking:- Details of the customer and id proof get stored here and after checking the valid information , the rooms get allotted to the customer as per their need.

3. Cab booking:- Customer get a facility to choose the type of cab he wants. Details like journey medium(pick up , drop up) and the location of his journey(railway station, airport, bus station) get stored and with the help of this information cab get allotted.

4. Billing:- Customers total amount is displayed in billing module with the consideration of cab services.

• **SOFTWARE AND HARDWARE REQUIRED**

Hardware Requirement Specifications :-

PROCESSOR :- Intel i3 or i5 1.8 GHz.

MOTHERBOARD :- According to the processor requirement

RAM :- 4GB.

FREE DISK SPACE :- 100MB

Software:-

PROGRAMMING LANGUAGE USED: **PYTHON 3.9**

GUI Creation: **Tkinter**

IDE USED: **PyCharm**

Database: **SQLite**

• DATABASE / TABLE INFORMATION

DB Browser for SQLite - D:\Python\HotelManagement\Hotel_Management.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragmas Execute SQL

Table: Record Filter in any column

	Name	Number	Address	Occupants	Category	Days	Subtotal	Rno	Fare	GrandTotal	CheckIn	CheckOut	Aadhar
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	Gautam Sahu	9300646497	Dabra	1	A/C	1	1500	4	1000	2500	2021-07-02	2021-07-02	123456789012

DB Browser for SQLite - D:\Python\HotelManagement\Hotel_Management.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragmas Execute SQL

Table: Details Filter in any column

	Name	Number	Address	Occupants	Category	Days	Subtotal	Rno	Fare	GrandTotal	CheckIn	CheckOut	Aadhar
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	Gautam Sahu	9300646497	Dabra	1	A/C	1	1500	4	1000	1500	2021-07-02	2021-07-02	1234546789012

DB Browser for SQLite - D:\Python\HotelManagement\Hotel_Management.db

File Edit View Tools Help

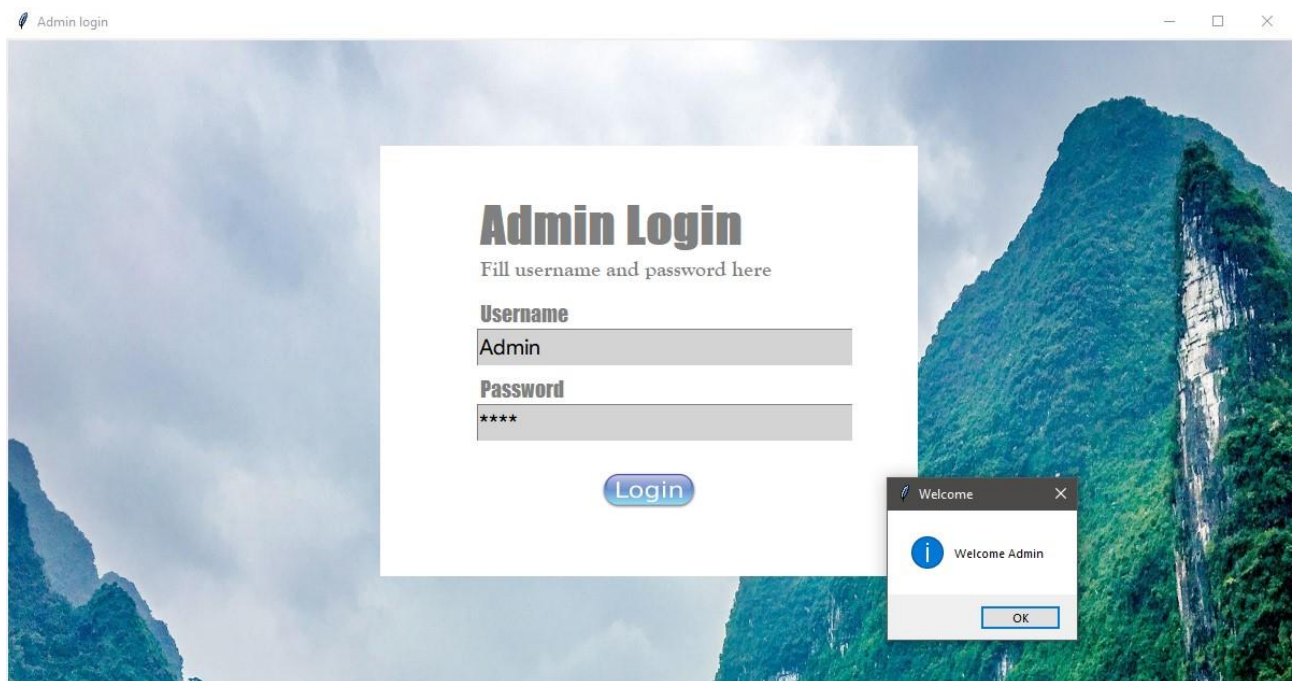
New Database Open Database Write Changes Revert Change

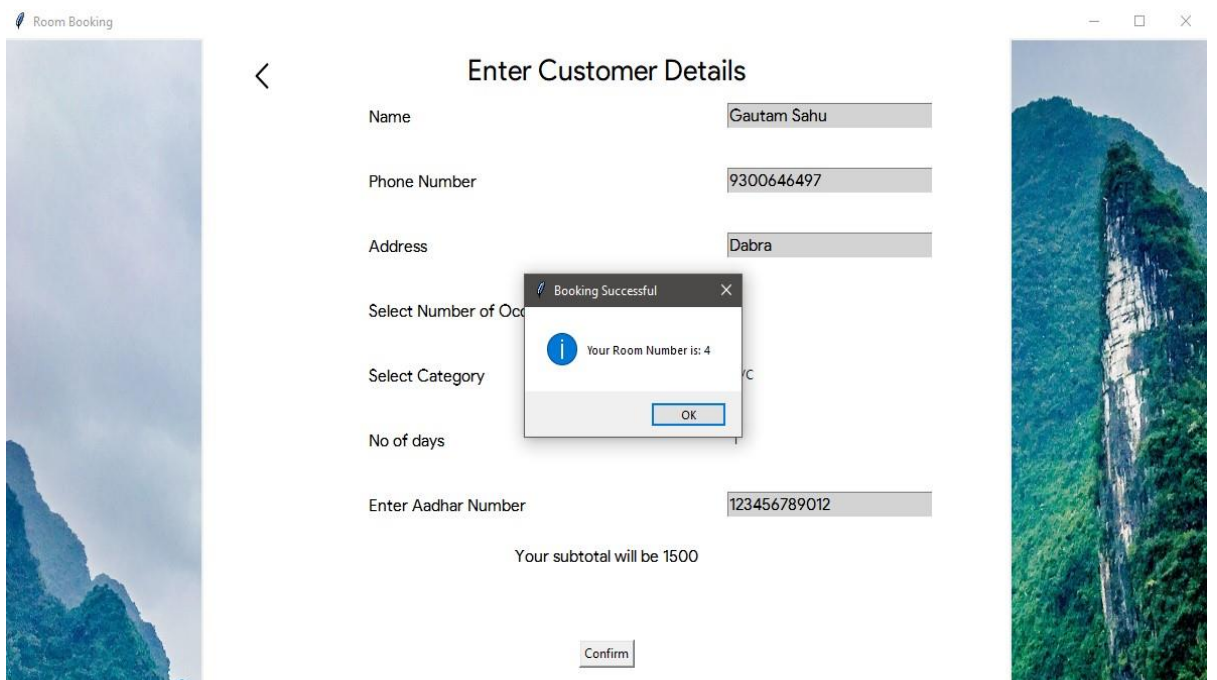
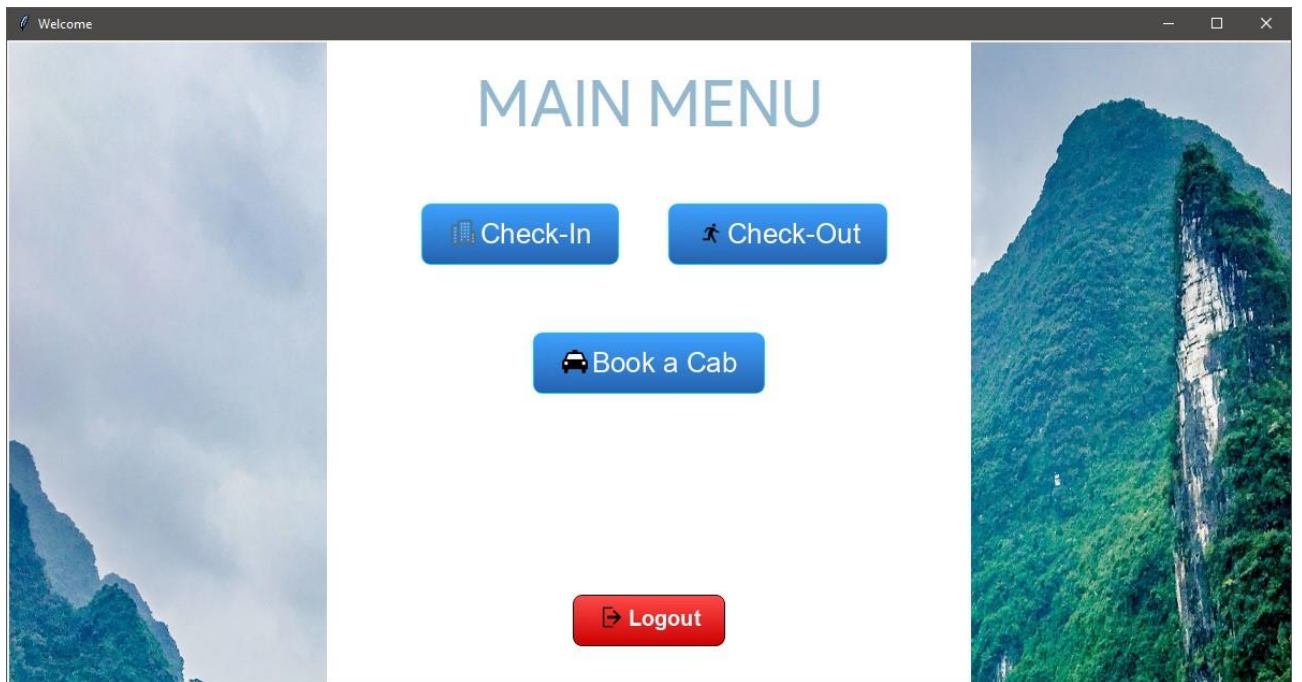
Database Structure Browse Data Edit Pragmas Execute SQL

Table: Available

	Rno	Category	Avail
	Filter	Filter	Filter
1	1	Non A/C	A
2	2	Non A/C	A
3	3	Non A/C	A
4	4	A/C	A
5	5	A/C	A
6	6	A/C	A
7	7	Presidential Suite	A
8	8	Presidential Suite	A
9	9	Presidential Suite	A

• PROJECT SCREEN SHOT





Cab Booking

Cab Booking

Cab Type

Pickup/drop off

Location

Room Number

Cab Booking

Cab Booking

Cab Type

Pickup/drop off

Location

Room Number

Success

Your Cab has been booked

Billing

BILL PAYMENT

Room Number

Show Bill

Name

Room

Duration of Stay

Rent

Cab Fare

Grand Total

Billing

BILL PAYMENT

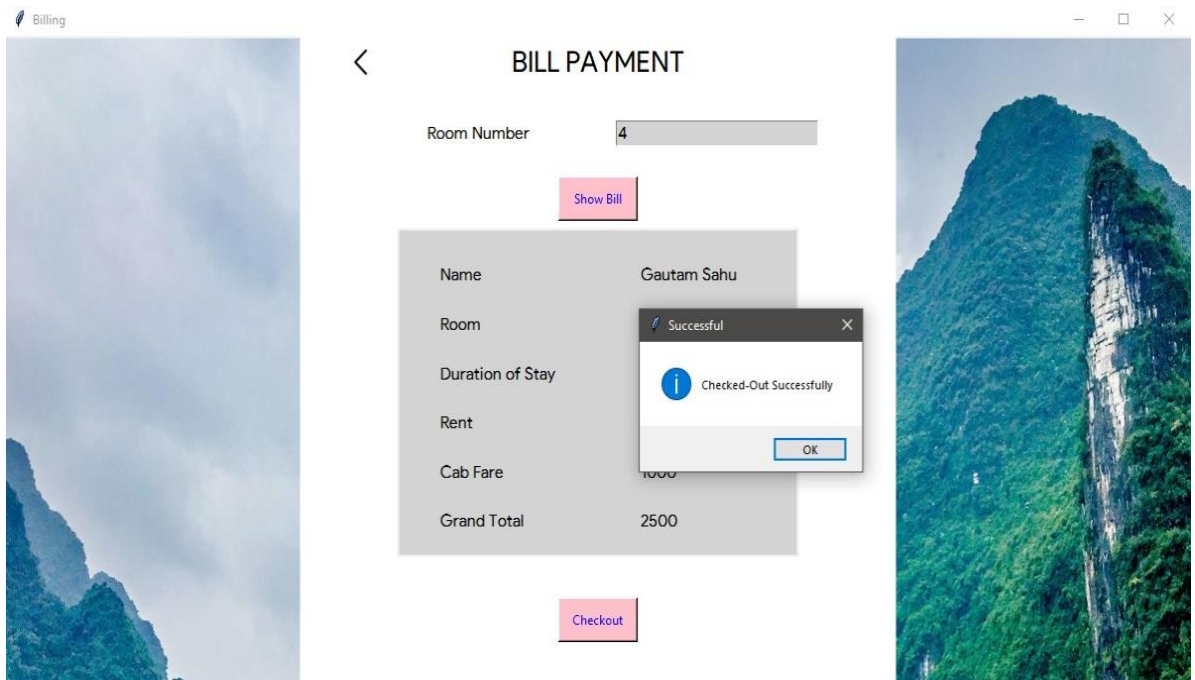
Room Number

4

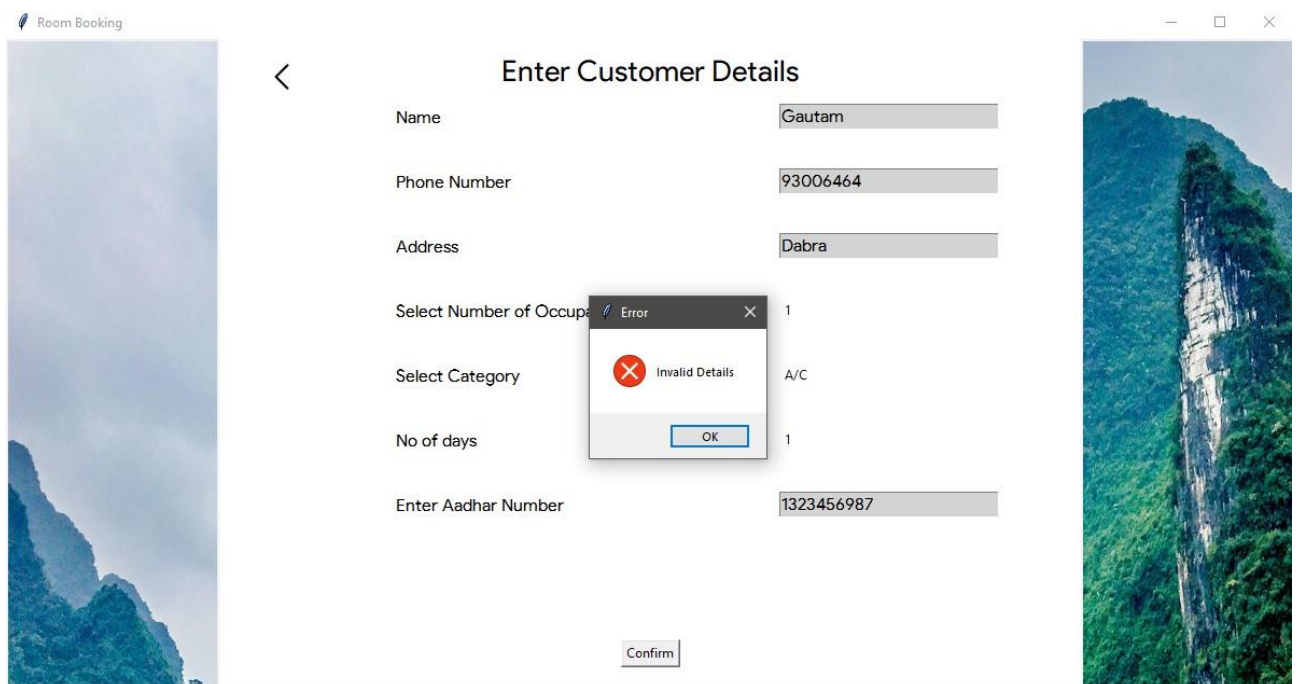
Show Bill

Name	Gautam Sahu
Room	A/C
Duration of Stay	1
Rent	1500
Cab Fare	1000
Grand Total	2500

Checkout



• TESTING





Enter Customer Details

Name	Gautam Sahu
Phone Number	9300646497
Address	Dabra
Select Number of Occ	
Select Category	
No of days	
Enter Aadhar Number	123456789012

Your subtotal will be 1500

Confirm



Admin Login

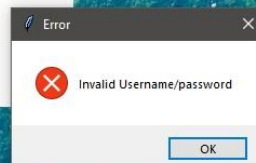
Fill username and password here

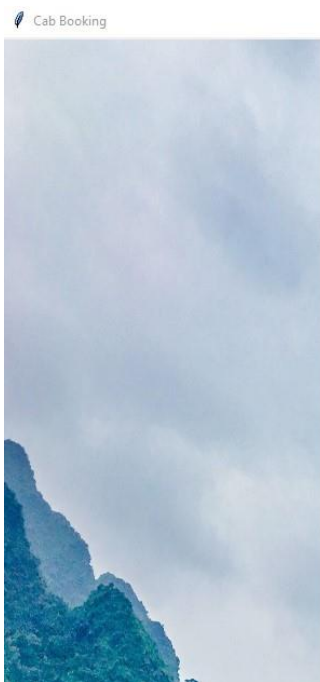
Username

Admin

Password

Login





Cab Booking

Cab Type

Micro

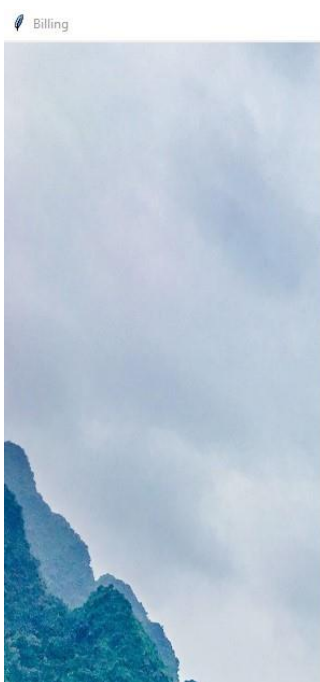
Pickup/drop off

Pick-Up

Location

Room Number

Confirm booking



BILL PAYMENT

Room Number

9

Show Bill

Name

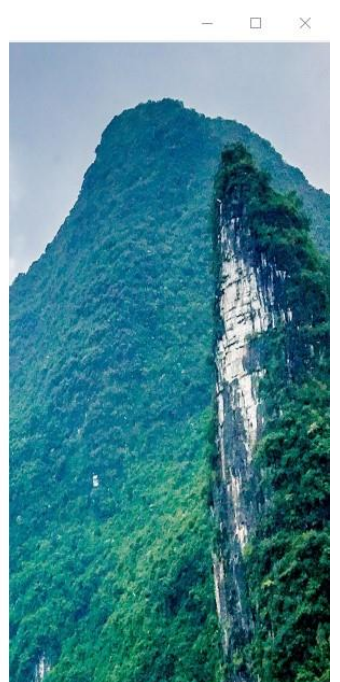
Room

Duration of Stay

Rent

Cab Fare

Grand Total



• FUTURE SCOPE

*The software to be developed deals with creating a hotel management system which will automated the major hotel operations such as generating billing and keeping track of records of daily transaction. Admin have the authority to control and modify the database.

*At present this software does not contain credit card facility and online service .We can make this application as online so that we can reserve the room and cab and do the online payment. So as the demand increases we can add these modules as a future scope.

● REFERENCES

*Google.

*Training documents

*Some online sites

*Let us python