**Hotel Management System**

In this Innovative assignment, we have made a program by which an user can insert, update and delete room details and and also can check in and check out guests and calculate the total amount according to number of days stayed. The program has several other functionalities as well.

**Database**

For the database we have created 2 tables: Rooms and guests.

Table rooms contains details of all the rooms like room no., price, category and availabilty.

While, Table guests contains records of guests who stayed or are currently staying at the hotel like name, phone number, check in date, check out date, etc.

Room no. is the primary key for the rooms table and user id is the primary key for guests table while room no in guests table is a foreign key which references to room no. in rooms table.

A guest can book 1 or more rooms while a room can have 0 or 1 guest.

**Functional Requirements**

This program is made using python. Pyt

Following packages are used in python:

1. Tkinter
2. PIL
3. tk
4. ttk
5. mysql.connector

**ER Diagram**

