

## Hotel Management System

Write object-oriented code to implement this case study.

Hotels are the place where you stay, eat meals and utilize their other services. As the computer has merged with a man as a single entity so a computerized application can be developed that can handle Hotel Management System (HMS). Various activities that take place in a hotel need to maintain the record of guests and reserve rooms beforehand. Customers should be able to know the availability of the rooms on a particular date. They should be able to reserve the available rooms according to their need in advance. To make their stay comfortable, they are provided with food and other services. The record of the food taken by each customer and the services availed by the customer should be kept. These records help in generating a bill. All the above activity takes place manually, manually carrying out this activity is very tedious time-consuming. As we have tried to develop a computerized application to handle all the activity that takes place in the hotel. All the activities that happen in the Hotel such as inquiries, check a status booking, food ordering, etc. can be handled on this system simultaneously. This system has the following main functions:

1. **Add Rooms:** Add new rooms
2. **Get available rooms:** Display all the available rooms
3. **Search guest:** Find specific guest by key number
4. **Book room:** book a room for the guest
5. **Reserve room:** reserve a room before coming to hotel