EXP-1

**Hotel Management system**

**Problem definition:**

HOTEL MANAGEMENT SYSTEM is a hotel reservation site script where site users will be able to search rooms availability with an online booking reservations system. Site users can also browse hotels, view room inventory, check availability, and book reservations in real-time. Site users enter check in date and check out date then search for availability and rates. After choosing the right room in the wanted hotel All booking and reservation process is done on the site and an SMS is sent to confirm the booking.

**Hotel Management System entities and attributes.**

* **Hotel Entity :** Attributes of Hotel are

1. ID
2. hotel\_name
3. hotel\_address
4. hotel\_description
5. Hotel\_rent

* **Rooms Entity** : Attributes of rooms are

1. room\_id
2. room\_no
3. room\_category
4. room\_type

* **Services entity** : Attributes of Services are

1. service\_id
2. service\_name
3. service\_type
4. service\_description

* **Payments Entity**: Attributes of payments are

1. payment\_customer\_id
2. payment\_amount
3. payment\_description
4. Payment\_id

* **Booking Entry**: Attributes of booking are

1. booking\_id
2. booking\_title
3. booking\_type
4. booking\_date
5. booking\_description.

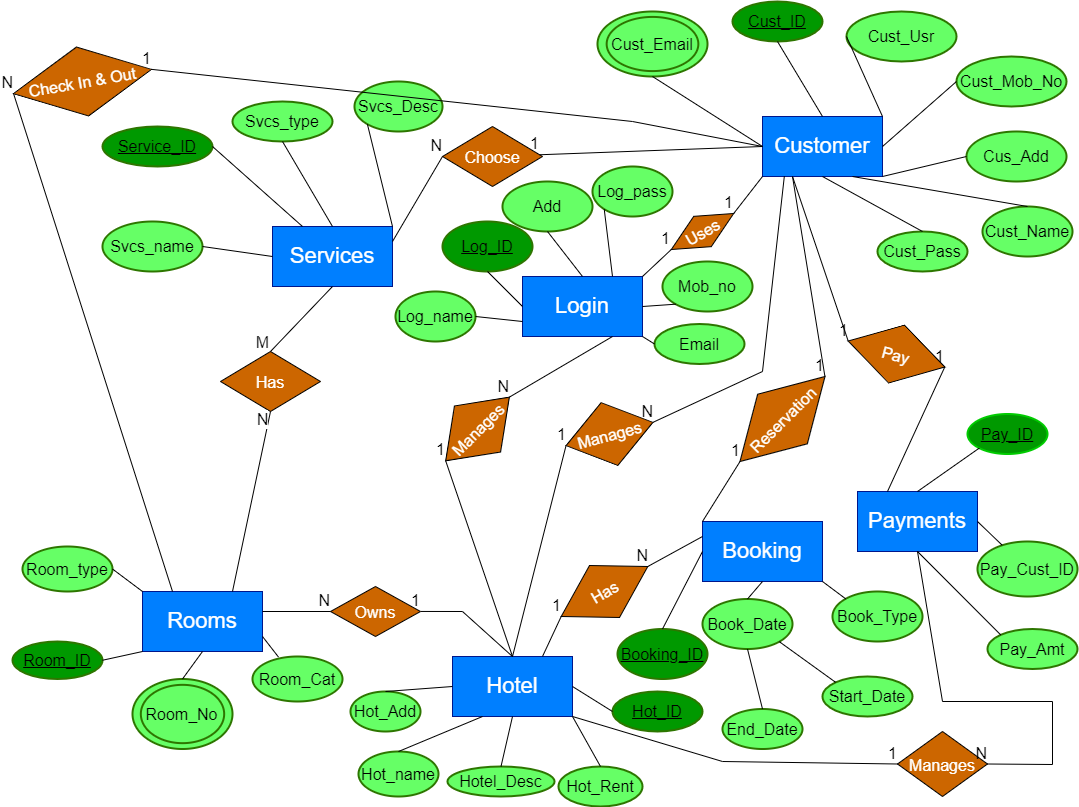
* **Customers Entity**: Attributes of Customers are

1. customer\_id
2. customer\_name
3. customer\_mobile\_no
4. customer\_email
5. customer\_username
6. customer\_password
7. customer\_address.

**Relationships Between:**

1. Hotel and rooms
2. Hotel and booking
3. Hotel and login
4. Hotel and customer
5. Hotel and payments
6. Customer and rooms
7. Customer and login
8. Customer and services
9. Customer and payments
10. Customer and booking
11. Rooms and services

**ER Diagram:**

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