

Lab - 0

## Hotel management —

### 1. Functional Requirement :

- The system must allow users to log-in with unique credentials.
- Room management — ability to add, or remove rooms & manage room types.
- Reservation management — create, view, edit or cancel reservation
- Check-in / check-out — manage guests check-in / check-out procedure.
- Customer information management — store and retrieve customer details.
- Room service management — Handle room service requests.
- Billing and Payment — Generate bills based on room stay and service availed.

### 2. Non-functional requirement :

- Performance — response time for queries should not exceed 3 sec.
- Security — The system should have secure login mechanism.
- Usability — The system should have user-friendly GUI.
- Reliability — The system must have 99.9% uptime.



### 3. Domain Requirement :

- Reservations should not overlap.
- Each customer must have unique identifier
- All changes to system configuration should be approved by Admin.

Conflict and management —



# Lab - 3

## Class diagram —

### 1) Hotel management

