

## 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 & retrieve customer details.
- Room service Management - Handle room service requests.
- Billing & Payment - Generate bills based on room stay & service availed.

#### 2. Non-functional requirement:

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

### 3. Domain Requirement:

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