LAB-1: SRS

Hotel Management System

A hotel management system is needed to streamline and automate various processes involved in managing a hotel including reservation, check-ins, room-assignment, billing, and guest services. The system should provide an efficient and user-friendly interface for both hotel staff and guests, while ensuring data security, accuracy, and reliability.

1. **Introduction:**

   1.1: **Purpose of this document:** The main aim of this document is to summarise the requirements and specifications of a hotel management system. It acts as a guide to the development team of outlining functionalities objective & constraints.

   1.2. **Scope of Document:** Describes the functions such as: reservation management, billing, guest services and inventory.

   1.3. **Overview:** The system is designed to streamline various hotel operations, such as reservation management, guest check-in/out, room service.

General Description:

- The hotel management system will cater to the needs of hotel & guest, providing intuitive interface. It will even include features such as:

- Reservation management - Allows guest to make reservation online or in person, quickly & efficiently.

- guest Services: Provides checkin & check out functions

- Billing: Generate invoices, process program.

Functional Requirements

- Allows guest to make online reservations
- Manages room availability
- General invoices, process payments

Interface Requirements

→ integration with payment gateways

→ intuitive booking interface

Performance Requirements:

→ Should be able to handle high traffic
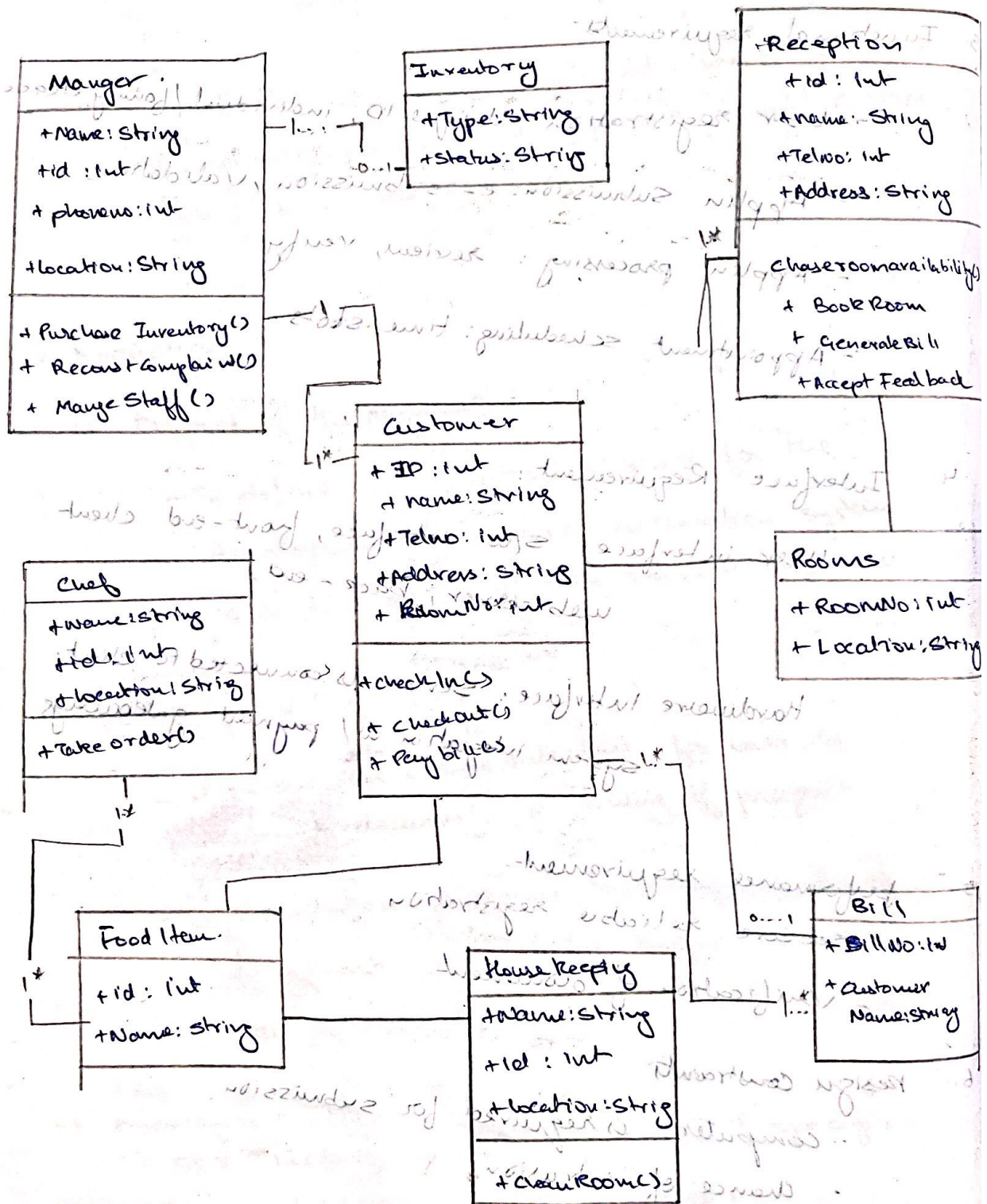→ Response time should by minimal

Non-Functional Attribute.
- Security
- Scalability
- Portability
- Reliability

Preliminary schedule & budget.
- Development timeline: 6 months
- Estimated budget: ₹60,000

① Class diagram for Hotel Management System.

Manger
+Name: String
+Id : Int
+ phoneno : Int
+location: String

+ Purchase Inventory()
+ Recover Complain()
+ Mange Staff ()

Inventory
+Type: String
+Status: String

Reception
+Id : Int
+name: String
+Telno: Int
+Address: String

Chaseroomavailability()
+ Book Room
+ Generate Bill
+Accept Feedback

Customer
+ ID : Int
+ name: String
+Telno: Int
+Address: String
+ Room No: Int

+check In()
+ checkout()
+ Pay bills()

Rooms
+ RoomNo: Int
+ Location: String

Chef
+name:string
+Id : Int
+location: String

+Take order()

Food Item
+Id : Int
+Name: string

House keeping
+name: String
+Id : Int
+location: String

+ clean Room()

Bill
+BillNo: Int
+ Customer Name: string

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