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## LAB-1

## Generating SRS documents

## 1 Hotel Management system

## 1 Introduction

## • Purpose:

The purpose of the document is to define the requirement for a hotel management system, outlining the functionalities required for efficient hotel management operations such as reservation, check-in/check-out, billing, guest management etc.

## • scope:

The system will cater to both hotel staff and customers managing room bookings, customer profiles, billing etc. This optimizes day-to-day hotel operations.

## • Overview:

The hotel management system will include modules for front desk operations, room management, housekeeping. It is accessible through desktop or mobile devices which ensures ease of usage.

## 2. General description

## • Product Perspective:

The system integrates with existing hotel infrastructure and online booking platforms providing a centralized system for managing hotel operations.

## • User characteristics:

Users include hotel staff and customers. Also the



### 3. Functional Requirements:

- Room booking and Reservation
- online booking integration
- Invoice generation and billing
- House keeping status tracking
- customer profile and history management

### 4. Interface Requirement

- GUI (graphical user interface) for staff
- web based interface for customers
- Integration with external booking platforms

### 5. Performance Requirements:

- Must handle atleast 1000 concurrent users
- Faster response time

### 6. Design constraints:

- Must be compatible with all softwares
- Should be modular to allow future feature expansion

### 7. Non-functional Requirements:

- security: Secure customer data handling
- Scalability: Must be able to scale up across multiple branches
- Reliability: should be 99% reliable



## 8. Preliminary Schedule and Budget

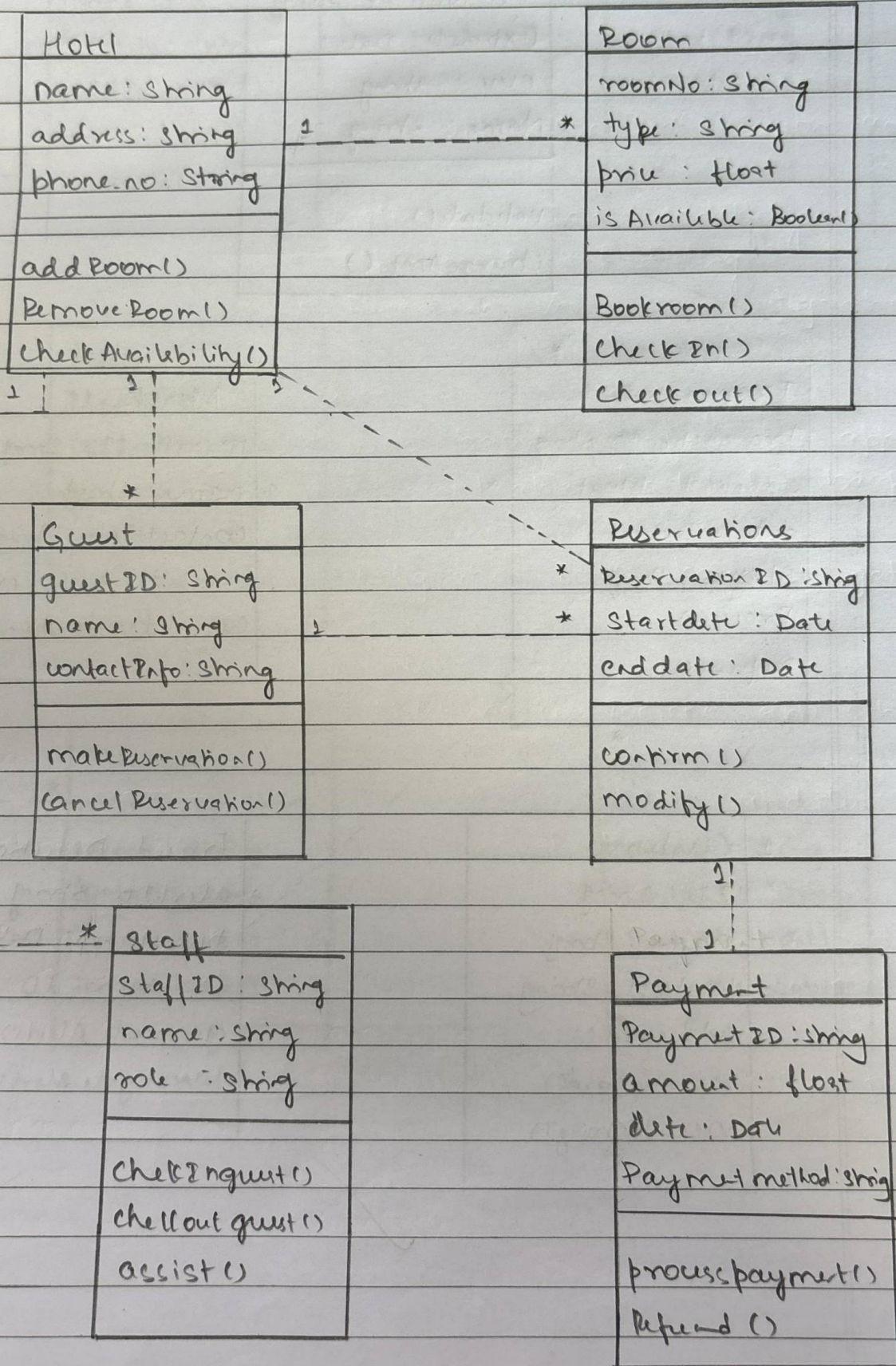
- Development timeline: 6 months
- Estimated budget: \$10000 for initial setup and deployment.



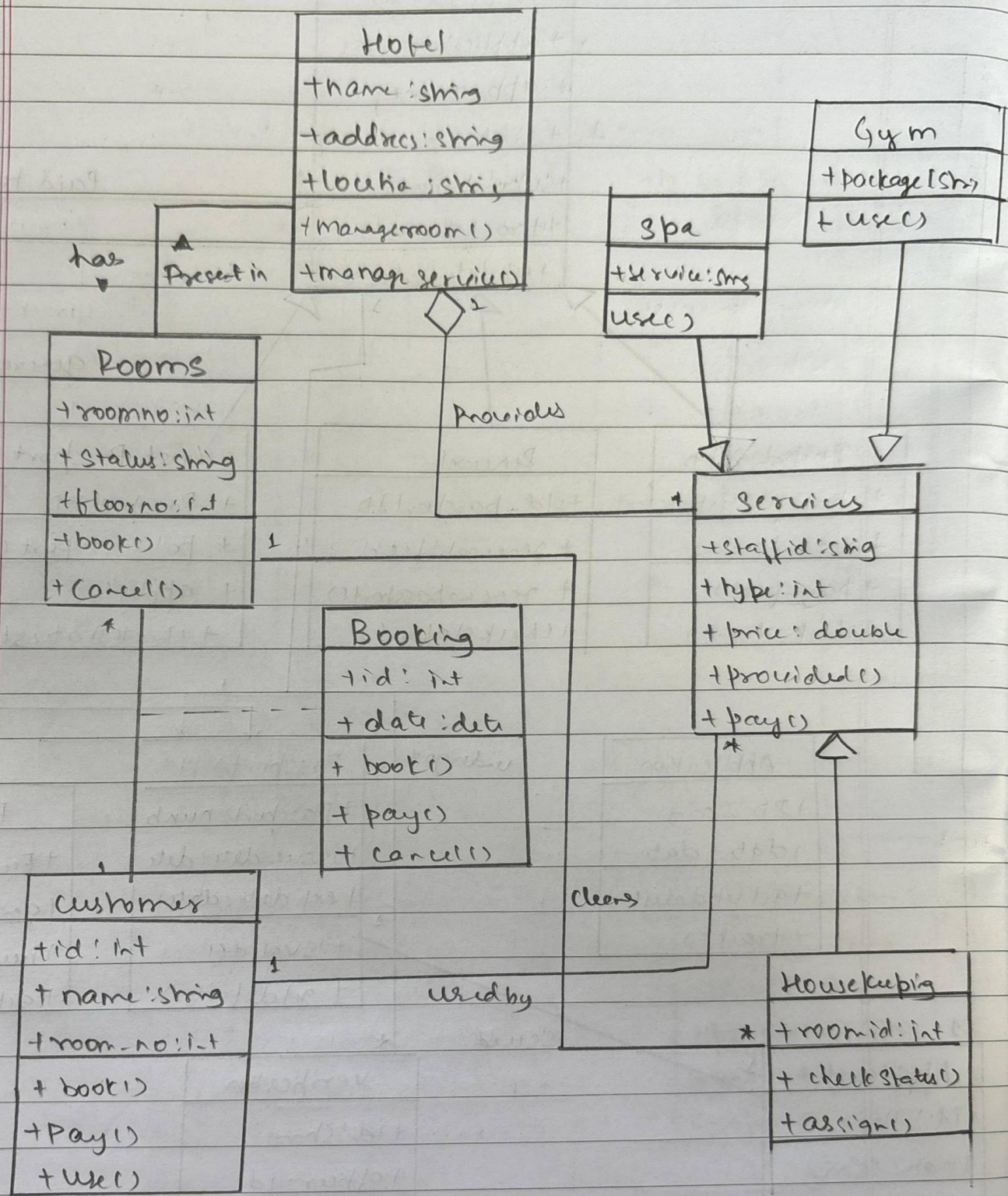
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## Implementation of class diagrams

## 1. Hotel management system.





Hotel management system:

## STAR UML DIAGRAM

