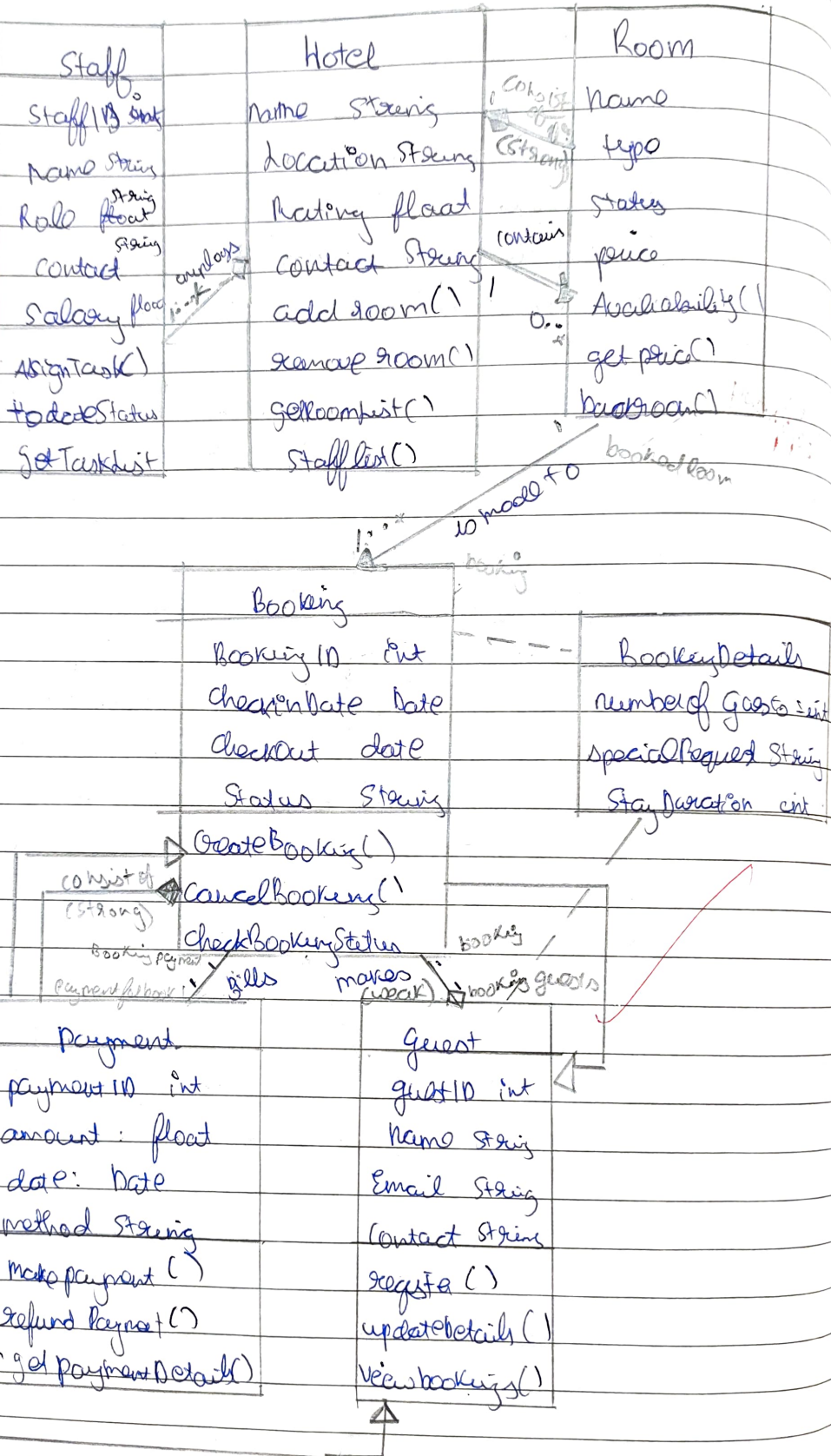


14/10/24

7/10/24

# class diagrams

## Hotel management



8 preliminary schedule and budget;

initial budget 2 lakhs

project duration 6 months

design 1 month

development 3 month

testing 1 month.

OK

23/9

Billing and Invoicing  
reporting and analytics.

### 3 Functional Requirements

1. user registration : create and management
2. room booking : user can search for available rooms and make reservations
3. check in/out : Staff can check guest in and out of system.
4. Billing : calculates charges based on stay duration and services.
5. reporting : generate occupancy and revenue reports.

### 4 Interface Requirements

The HMS will interface with: user interface  
database payment gateway.

### 5 performance Requirements :

System should handle 100 simultaneous users complete the transaction within 3 seconds  
ensure data retrieval in 2 seconds.

### 6 Design constraints

developed in java and springboot framework  
MySQL DB, windows and linux environment.

### 7 non functional requirements:

Security  
Reliability  
Scalability

## lab 1

Software Requirement Specification  
: Hotel Management System

## 1. Introduction

1.1 Purpose of this document is to outline the requirement for the Hotel Management System (HMS), serving as a comprehensive guide for developers, stakeholders, and project managers. It details the functionalities, interfaces and system constraints ensuring a clear understanding of its objectives and deliverables.

## 1.2 Scope of this document:

This document provides a comprehensive overview of the HMS, detailing the functionalities streamline hotel operations, improve customer service and enhance overall efficiency. The project budget and time estimation has been given.

## 1.3 Overview

The hotel management system is designed to manage hotel operations like reservations, check-in/checkout, billing, additional costs. It aims to provide a user friendly interface for both hotel staff and guests to improve efficiency in operation and customer satisfaction.

## 2. General description

The HMS will allow hotel staff to manage guest bookings, process payments and maintain room availability. User characteristics include front desk, hotel manager and maintenance personnel. The system's feature will include:

- Guest reservation management
- Room assignment and tracking