Lab 1

I. Hotel Management System

Problem Statement :

The hotel management system aims to streamline operations by automating tasks such as reservation management, guest check-in / check-out, room assignment, billing and reporting. It addresses the need for efficient management of resources, enhances guest experience, and ensures smooth day-to-day operations in hotels.

SRS - Software Requirement Specification

1. Introduction

1.1. Purpose of this document :

The main aim of the document is to summarize the requirement & specification of a Hotel Management System. It acts as a guide to the developement team & outlines functionalities, objectives & constraints

1.2. Scope of Document :

Describes the functions such as: reservations management, billing, guest services and inventory

1.3. Overview:

The system is designed to stream line various hotel operations such as reservation

management, guest checkin /out, room service, etc.

2. General Description

The hotel management system will cater to the needs of hotel and guests. Providing institutive interfaces. It will include features such as:

→ Reservation Management - Allows guests to make reservation online or in person quickly & efficiently

- Guest Services: Provides checkin and checkout functionalities, services, etc.
- Billing: Generate invoices, process payments

3. Functional Requirement
- Allow guests to make online reservations
- Manage room availability
- Generate invoices, process payments

4. Interface Requirements:
- Integration with payment gateways
- Intuitive booking interfaces

5. Performance Requirements
- Should be able to handle high traffic
- Response time should be minimal
- System should be reliable

6. Design Constraints
- System should comply with industry standards

- System should be compatible to current software and hardware

7. Non - Functionalities Attributes
   - Security
   - Scalability
   - Portability
   - Reliability

8 Preliminary Schedule and Budget
   - Developement timeline : 6 months
   - Estimated budget : ₹1,00,000