

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 will address the need for efficient management of resources, ensures smooth day to day operations in hotels.

1. Introduction:

1.1 Purpose of this document: The main aim of the document is to summarise the requirements & specifications of a Hotel Management system. It acts as a guide to the development team & outlines functional objectives & 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 reservations management, guest checkin/out, room service, etc.

2. General Description:

The hotel management system will cater to the needs of hotel staff & guests providing intuitive interfaces. It will include features such as

- Reservation Management: Allows guests to make reservations online or in person.

quickly & efficiently

- Guest services: provides check in & check out functionalities, services, etc.
- Billing: generate invoices, process payments.

interface

3.

Functional requirements:

- Integration with payment gateways
- Intuitive booking interfaces

4.

Functional requirements:

- Allow guests to make online reservations
- Manage room availability
- Generate invoices, process payments

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 w/ current software & hardware

7.

Non-Functional attribute

- Security
- Scalability
- Portability
- Reliability

8.

Preliminary schedule & Budget

- Development timeline: 6 months
- Estimated budget: ₹1,00,000.

Managers

+ name: string

+ id: int

+ phone.no: