Hotel Management System

* Problem Statement: A hotel management system is needed to streamline and automate various processes involved in managing a hotel, including reservations, check-ins, room assignments, 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 scalability.

1. Introduction:

1.1 Purpose of this document: The main aim of the document is to summarise the requirements and specifications of a hotel management system. It acts as a guide to the development team and outlines functionalities objectives and 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 checkin/out, room service, etc.

2. General Description.

→ The HMS will cater to the needs of hotel staff and guests, providing intuitive interface. It will include features such as

* Reservation Management: Allows users to make reservation online or in person.

x Guest Services : Provides checkin to check out functionalities, services, etc.

x Billing : Generates invoices, process payments.

3. Functional Requirements:
→ 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 scalable.

6. Design constraints:
→ System should comply with industry standards.
→ System should be compatible with current software and hardware.

7. Non-functional Attribute:
→ Security
→ Scalability
→ Portability.
→ Reliability

8. Preliminary Schedule and budget:
→ Development timeline : 6 months.
→ Estimated budget : ₹ 1,00,000/-