

A hotel management system is essential for simplifying and automating different tasks related to hotel operation such as booking rooms, managing check-ins, assigning rooms, handling billing, and providing services to guests. This system must offer a seamless and intuitive interface for both the hotel's employees and its guests, guaranteeing the integrity, precision, and dependability of the data.

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 and outlines functionalities, 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 reservation 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 checkin & check out, functionalities, services, etc.

- Billing: Generate 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 gateway.
- Intuitive Booking interfaces

5. Performance Requirement:

- 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 with current software and hardware.

7. Non-Functional Attribute

- Security
- Scalability
- Portability
- Reliability.

8. Preliminary schedule & Budget :

- Development Timeline : 6 months
- Estimated Budget : 1,00,000 ₹