1 Hotel Management system

Problem statement: A hotel management system 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 efficient and user-friendly interface for both hotel staff and guests, while ensuring data security, accuracy and reliability.

Software Requirement specification (SRS)

1. Introduction:
1.1 Purpose of this document: The 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 hotel management system will cater to the needs of hotel staff and guests, providing intuitive interfaces. it will

include features such as
- Reservation Management - allows guests to make reservations online or in person quickly and efficiently.
- Guest services: Provides check-in and checkout 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 gateways
- Intuitive booking interface.

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 with current software and hardware.

7. Non-Functional attributes:
- Security,

- Scalability.
- Portability
- Reliability.

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