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Hotel Management System:

Problem Statement : A hotel management system is required to streamline and automate process like, reservations, check-ins, room alfottment, billing and guest services. The system must provide both hotel staff and guests user friendly interface for ensur data security, accuracy and rediability.

1. Introduction:

1.1 The purpose of document is to outline requirements and specifications for development of Hotel Managemo System.

1.2 Scope of document.

The document outlines the overall functionality, performan design and non-functional attributes of Hotel. Management Software. It provides a preliminary schedule and budget estimation for the project.

1.3 Overview.

The Hotel Management Software will cater to need of various operations such as reservations, check-ins checkouts, billing and inventory management.

2. General Description.

The Hotel management software will cater needs of staff, managers and guests. Key features include:

- Reservation Management.
- Check-in / check-out Management.
- Billing and invoicing.
- Room Inventory Management.
- Guest Profile Management.
- Reporting and Analytics.

3. Functional Requirements.

- Ability to create, modify and cancel reservations.
- Check-in / check-out Management.
- Billing and invoicing.
- Room-inventory management.

4. **Interface Requirements:** The hotel management software will interact with users through:
   - GUI (Graphical User Interface) for hotel staff.
   - Web-based interface for online reservations.
   - Mobile applications for guests.

5. **Performance Requirements:**
   - Response time should be minimum.
   - Intuitive booking interface.
   - Real time updates.

6. **Design Constriants:**
   - System should comply with industry standards.
   - System should be compitable with existing software and hardware.

7. **Non-Functional Attribute:**
   - Security
   - Scalability
   - Portability
   - Reliability.

8. **Preliminary Schedule and Budget.**
   - Development timeline : 6 Months.
   - Estimated Budget : ₹2,00,000