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Software Requirements Specification

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HOTEL MANAGEMENT SYSTEM

- 1. Introduction

- 1.1 Purpose of this Document:

This SRS defines the functional & non-functional requirements for a Hotel Management System. It serves as a blueprint for the development team, outlining the expected capabilities & behaviours of the system.

- 1.2 Scope of this Document:

- Guest reservations
- Room Management
- Inventory Management
- Staff Management
- Billing & Payment

- 1.3 Overview:

The Hotel Management System will be a web-based application accessible to hotel staff. It will provide a user-friendly interface for managing day-to-day operations efficiently & accurately.

- 2. General Description

- 2.1 User Characteristics :

- Hotel staff
- Guests

- 2.2 User Interface :

- Easy to use & Intuitive for all users.
- Responsive design for different devices.
- Concise Navigation.

- 2.3 Features :

- Online reservations & Cancellations.
- Guest details Management
- Room Management
- Check-in / Check-out.
- Inventory Management.
- Staff Scheduling.
- Billing & Payment.

- 2.4 Benefits :

- Increased efficiency.
- Improved guest satisfaction.
- Reduced Manual tasks.
- Saves time.

3. Functional Requirements

- Reservation Management

- Allow users to create, modify & cancel reservations
- Validate guest info. & availability

- Room Management

- Maintain a database of diff. rooms.
- Track & update room status.
- Room Allotment.

- Inventory Management

- Track availability of items like linens, toiletries & etc.
- Set reorder points & replenishment.

- Staff Management

- Create staff profiles with roles.
- Schedule shifts & tasks.
- Attendance

- Billing & Payments.

- Calculate guest bills
- process payment via all methods.
- Generate invoices.

4. Interface Requirements

- User Interface
 - Adhere to industry std. guidelines.
 - provide clear messages
- System Interface
 - Integrate with payment gateways

5. Performance Requirements

- Response Time
- Scalability
- Security

6. Design Constraints

- The preferred prog. lang, frameworks & databases.
- Hardware requirements
- Compliance.

7. Non-Functional Attributes

- Highly Reliable & easy to use for everyone
- Easy to Maintain & should be secure
- Portability should be kept in mind.
- * Security

8. Preliminary Schedule & Budget

- Estimate of dev. & deployment timeline.
- Overall budget of the project must be estimated.

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