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Hotel management

1.1 Introduction

1.2 Purpose

This doc outlines the req, and provides developers and stakeholders with a comprehensive understanding

1.2 Scope: aims to streamline hotel operations like ^{reservation} management, guest services and reporting

1.3 Overview

The system automates booking management, check in & out, billing and reporting

2.1 General Description

The HMS will improve hotel ~~ning~~ efficiency by offering a platform for reservations, billing and communication

3.1 Functional Req

- User management: Register, update & deactivate users.
- Reservation mg.: Allow guest to search, book, modify and cancel ~~req.~~ reservations.
- Billing & payment: Generate invoices and process payments securely.

4.1 Interface req

- Web based UI - A responsive interface for hotel staff
- Mobile app → A user friendly mobile app for guests.
- API integration → Allow third party app to access hotel info.

5. Performance Req.

- Response time: ≤ 2 secs for search & reservation.
- User support: upto 500 simul users.
- Error rate: $< 1\%$.

6. Design Constraints.

- web based solution, compatible with major browser.
- database: MySQL for data storage and retrieval.
- Compliance

7. Non func Attributes.

- Security: TLS encryption for data transmission and secure storage of sensitive guest data.
- Scalability: Accomodate increased guest volume.
- Reliability: 99.9% uptime with backup & recovery.

8. Preliminary Schedule & Budget

Development time: 6 months

Budget: Budget: Rs 1000000.