

Hotel Management System

Introduction

1.1 Purpose of this document

Objective is to provide a base for the foundation of the project

To provide a comprehensive understanding of the req. & functionalities of HMS.

1.2 Scope of this Document

Describes the intended users, features and benefits of the HMS, along with development cost & time estimates.

1.3 Overview

Give a brief summary of the HMS, outlining its primary functions such as room, booking, check in, out & billing.

2 General description

- Objective : to automate and streamline hotel operations, improving efficiency and guest experience
- User Characteristics - front desk staff, house keeping, guests
- Room booking - Allows guests to book rooms online or through the front desk
- Check in/out
- Inventory Management
- Billing
- Supportance
- User Community

3 Functional Requirements:

- Room Booking

Users can search available rooms based on criteria such as date, room type, & occupancy.

- Users can select rooms and proceed with the booking process.
- Front desk staff can check in guests.
- Guests can check out.
- Inventory management.
- Generates invoices for room charges.

4 Interface Requirements

- User Interface

- Int for staff and guests, accessible via web browser or mobile app.

- Payment Integration

- Integration with payment gateway.

- Communication

- Email notifications for booking confirmations, reminders, & feedback requests.

5 Performance Req:

Response time

- System should respond promptly to user requests with minimal latency.

- Availability

- Syst shld be avail 24x7.

Scalability

- Ability to handle peak loads during high demand periods.

6. Design Constraints

→ Hardware / Software Limitations -

- Compatibility with existing hardware and software infrastructure.
- Support for Multiple Platforms.
- Regulatory Compliance:
 - Compliance with data protection regulations & industry standards.

7. Non-functional Attributes -

- Encryption of sensitive data
- Role based access control
- Reliability
- Usability
- Scalability

8. Preliminary Schedule & Budget

- Schedule - Estimated timeline for development

Budget - Cost estimates for development resources.