

d Generate the SRS document for the Hotel Management system

1. Introduction

1.1 Purpose of this document

→ To provide insights on the hotel management system's requirements, attributes and budget

1.2 Scope of this document

→ The document provides a comprehensive description of the software used and cost of it

1.3 Overview

→ The Hotel Management system is an efficient system which helps the interactors manage the lodging catering and employee feedback

2. General Description

2.1 User characteristics

→ Hotel Staff

→ Guests

2.2 User Interface

→ Easy to use and intuitive for all users

→ Responsive design for different devices

→ Concise navigation

2.3 Features

→ Online reservations and cancellations

→ Guest details management

→ Room management

→ Check in / Check out

- Inventory Management
- staff scheduling
- Billing and Payment

2.4 Features

- online reservations and cancellations
- guest details management
- Room management

2.5 Benefits

- Increased efficiency
- Improved guest satisfaction
- Reduced manual tasks
- Saves time

3 Functional Requirements

• Reservation Management

- Allow users to create, modify and cancel reservations / booking
- validate guest information and availability

• Room Management

- maintain a database of different rooms
- Tracks and updates room status
- Room Allotment

• Inventory Management

- track availability of items like linens, toiletries etc.

• Staff Management

- create staff profiles with roles

- manages schedule, shifts and tasks
- Attendance

• Billing and Payments

- calculate guest bills
- Process payment via all methods
- Generate invoices.

4. Interface Requirements

• User Interface

- Adhere to industry standard guidelines
- provides clear messages

• System Interface

- Integrate with payment gateways

5. Performance Requirements

→ Response time

→ Scalability

→ Security.

6. Design Constraints

- The preferred programming language, frameworks and database used must be specified

- Industry standard must be followed while developing the software.

7. Non Functional Attributes

- Highly reliable and easy to use for everyone

- Easy to maintain and should be secure

- Portability should be kept in mind

8 Preliminary Schedule and Budget

- Estimate of development and deployment timeline is approximately ²⁵ 25 weeks
- Overall budget of the project must be estimated Rs 1000000

→ schedule

- Requirement gathering and analysis (3 weeks)
- System Design (2-3 weeks)
- Development (10-12 weeks)
- Testing and Validation (4-6 weeks)
- Deployment and Training (2-3 weeks)

Total estimate = 21-25 weeks

→ Budget

- Requirement documentation - ₹ 100000
- Design and tools - ₹ 200000
- Development - ₹ 500000
- Testing - ₹ 200000

Total estimated budget = ₹ 1000000