

## ● SRS document for Hotel Management System.

### 1. Introduction

#### 1.1 purpose of the document

This document outline the requirement and specifications for the development of Hotel management system (HMS). The primary aim is to provide a clear understanding of the system's objectives, ensuring that developers, stakeholders, and end-users align with the functional and non-functional requirements.

#### 1.2 scope of the document

This document provides a detailed overview of the system's functionality, focusing on room reservations, billing, staff management, and house keeping. It also estimates the development cost and time required for implementation. The HMS will automate hotel operations increasing efficiency and enhancing customer satisfaction.

#### 1.3 overview

The HMS aims to improve operational efficiency by automating key hotel processes, providing an easy-to-use interface for staff and enhancing guest experience.

## 2. General Description

### 2.1 Features

- Room reservation & cancellations.
- Guest check-in/out & billing.
- Housekeeping task management.
- Reports for occupancy & revenue.

### 2.2 User Types

- Managers
- Receptionists
- Housekeeping staff
- Restaurant staff

## 3. Functional Requirements

- Room reservations
- Guest Management:
- Billing
- Housekeeping
- Reporting

## 4. Non-Functional Requirements :

- Performance : support 500 users with response times < 2 seconds.
- Security : Role based access control.
- Reliability : 99.9% uptime & data integrity.
- Scalability : support future growth of hotel operations.

## 5. Preliminary Schedule & Budget

- Time : 6-8 months
- Cost : \$100,000 for full development



## 6. Interface requirement :

- User interface : User friendly graphical user interface for staff to manage hotel operations
- Database interface : Interact with hotel's central database to retrieve and update data such as reservation, guest information
- Hardware interface : System should be compatible with existing hardware like POS systems
- API : APIs may be required for integration with external systems such as third party booking platforms.

## 7. Performance Requirements :

- The system should support up to 500 concurrent users
- Response time for any query should be less than 2 sec.
- Downtime should not exceed 1 hr per month

## 8. Design constraints :

- Hardware : The system should work on the hotel's existing infrastructure without requiring significant upgrades.
- Software : compatible with hotel's existing software
- Regulations : The systems must comply with data protection regulations like GDPR.