

5/04/24

# I Hotel Management System

## 1. Introduction

### Problem Statement

A hotel management application that manages information about rooms, reservations, customers, and customer billing online i.e., automated way. Customers should be able to make reservations & cancel it online. Customers should be able to see the room images, reviews and locations.

### Software Requirement Specification (SRS)

#### 1. Introduction

1.1 Purpose of this document: The main aim of the document is to summarise the requirements & specification of a Hotel Management System. It acts as a guide to the development team & outlines functionalities, objectives & constraints.

1.2 Scope of Document: Describes the functions such as: reservation management, billing, guest services & inventory.

1.3 Overview: The system is designed to streamline various hotel operations such as reservation management, guest checkin/out, room service, etc.

#### 2. General Description

- The hotel management system will cater to the needs of hotel staff & guests, providing intuitive

- interfaces. It will include features such as
- Reservation Management - Allows guests to make reservations online or in person, quickly & efficiently.
  - Guest Services: Provides ~~the~~ checkin & check out functionalities, services, etc.
  - Billing: Generate invoices, process payments.

### 3. B. Functional Requirements

- Allow guests to make online reservations.
- Manage room availability.
- Generate invoices, process payments.

### 4. Interface Requirements.

- Integration with payment gateways.
- Intuitive booking interfaces.

### 5. Performance Req Requirements.

- Should be able to handle high traffic.
- Response time should be minimal.
- System should be reliable.

### 6. Design Constraints

- System should comply with industry standards.
- System ~~shall~~ should be compatible with current software & hardware.

### 7. Non-Functional Attributes

- Security
- Scalability
- Portability
- Reliability

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8. Preliminary schedule & Budget.

- Development timeline : 6 months
- Estimated budget : F 1000000