

# HOTEL MANAGEMENT

## INTRODUCTION

PURPOSE : It provide comprehensive description of functionalities, feature and interface of system, which will serve as reference for stakeholder and user.

## SCOPE OF THIS DOCUMENT

Outline of this is to manage booking, customer check-in, check-out, billing, and other hotel service. It provide detail of system functionalities, interface design constraints and cost estimate.

## OVERVIEW

System is designed to streamline the hotel operation including reservation management, room allocation, billing and customer service. The system is build to ease of the hotel management system. The primary user of system include hotel staff, administrators and customers.

## GENERAL DESCRIPTION

- 1) Simplified room reservation and availability tracking.
- 2) Efficient customer check-in and check-out process.
- 3) Easy billing and payment processing.

## FUNCTIONAL REQUIREMENT

- 1) Room Reservation Management
- 2) Check-in and Check-out
- 3) Billing payment.
- 4) Room Allocation
- 5) Guest Service Management.
- 6) Authentication and Authorization.

## INTERFACE REQUIREMENT

- 1) User Interface : should ~~to~~ show ~~the~~ the booking, check-out, check-in.
- 2) Database Interface : store data and retrieve data.
- 3) API Interface : for third party system such as payment.

## PERFORMANCE REQUIREMENT

- 1) Response Time : system should provide fast service. ~~the~~ booking should be fast.
- 2) Scalability : system should support up to 10000 concurrent users.
- 3) Error should be low

## NON - FUNCTIONAL ATTRIBUTES

- 1) Securing should be there (data should be encrypted)
- 2) Reliability : system should be trusted
- 3) Portability : system should be accessible on any device
- 4) Scalability : up to 10000 booking should be done concurrently.
- 5) Data Integrity : system should properly integrated.

## SCHEDULE & BUDGET

Schedule for developing

Requirement Gathering : 1 month

System Design : 1.5 Month

Development and Unit testing : 4 months

System testing : 3 month,

Our budget for of system is ₹200000  
and ₹10 per LOC.

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## ② Hotel Management System

