Software Requirement Specification (SRS)

Hotel management System

1. Introduction

1.1 Purpose

The aim of this document is to explain the requirements of the hotel management Systems. The system should help hotel staff and guests to manage booking, check-ins, check-outs, billing and other basic hotel activities. This document will be useful for developers, project manager and also for testing Purpose.

1.2 Scope

The hotel management System is a software which will keep track of hotel rooms, reservations, customers and payments.

1.3 Overview

The System will have features like reservation, room allocation, guest details, billing and report generation.

2. general description

The hotel management system will mainly help receptionists to do tasks like booking rooms, checking rooms availability, generating bills & storing guest details.

3. Fuctional Requirements

3.1 Reservation Module

- User can reserve rooms in advance
- confirmation should be given for succesful Booking
- cancellations and changes should be possible.

3.2 Room Module

- Show status of Rooms
- Assign available rooms to guests.

3.3. guest module

- Store guest info like name, contact, Id proof
- Keep record of guest's pervious visits.
- Support smooth check-in & check-out

3.4 Billing module

- generates Bills for room charges & services
- Support cash, UPI / card payments
- print receipts.

3.5 Report Module

> Daily & monthly reports on revenue

> occupancy details of rooms.

4. Interface Requirements

4.1 User Interface

> simple and easy to use screens

> Desktop based interface.

4.2 External Interface

> printer for printing bills.

> payment gateway integration.

5. Performance Requirements:

> The system should respond within 2-3 seconds.

> It should be able to handle atleast 500 users simultaneously.

6. Design constraints.

> Database should be relational

> It should run on normal hotel computers.

7. non-functional Requirements

> security - only authorized staff - should login
> Reliability - system should not crash frequently
> usability - Easy for staff with basic computer knowledge
> scalability - can be expanded for more branches

8. Schedule & cost

   The project can be completed in around
5-6 months. Estimated cost is approximately
$90,000 to $120,000. This includes phases
such as requirement analysis, system Design
and module Developement.