OOM - LAB 1

Software Requirements Specification (SRS)

Hotel Management System

1. Introduction

1.1 Purpose of the document :

The main purpose of this document is to present the requirements (functional and non-functional) of Hotel Management System (HMS). This document serves as a guide for the stakeholders, project managers, system architects and developers.

1.2 Scope of the document

This document covers the overall functionality of the HMS highlighting its goal and the value it provides to users for streamlined operations.

1.3 Overview

The HMS is designed to automate most of the manual work done including check-ins, reservations, billing, inventory management.

2. General Description :

The HMS provides features which facilitates tasks for receptionists, managers & guests. Key feature includes reserving a room. and Table Reservation.

It also provides some of the admin features such as billing, managing reservations and inventory.

3. Functional Requirements

- Login / Registration :- User must be able to login to the application or register and create a new account.

- Room Reservation :- User must be able to book a room on their preffered date

- Reserve a Table :- User must be able to book a table for their preffered time slot.

- Feedback :- Customers must be able to provide feedback to the service provided by the Hotel.

4. Interface Requirements :-

Payment

User interface - Windows 8 or more

5. Performance Requirements

Reliability
- System must be able to perform bookings without any crash / server down during vital hours.
- Should have a minimum uptime 95%.
- Able to manage upto 10,000 records concurrently.

Security

6. Design Constraints

- React JS (JS framework) for frontend.
- MySQL or other RDBMS for DB Management

7. Non-Functional requirements

- Response Time - System should have a maximum response time of 10ms

- Scalability - Should support future expansion

8. Preliminary Schedule and Budget

- Estimated Duration - 6 months for development and 4 months for testing

- Project cost - Around $7500 for approximately 10,000 lines of Code.

Splitup
- ✳ Requirement Stage   - $ 500
- ✳ Development Stage   - $ 2500
- ✳ Design Stage   - $ 3000
- ✳ Evolution Stage   - $ 1500