# Task 1: Problem Statement and SRS.

## A) Hotel Management System.

The hotel management system aims to stream-line the hotel's operations, enhance customer experience and manage resources effectively. The current manual system is prone to errors, time consuming and results in delays.

## B) SRS.

### 1) Introduction.

Purpose: This document aims to describe the requirements for a Hotel Management System.

Scope: The system will manage all aspects of hotel operations including reservations, check-in, check-out, room allocation, billing, inventory management and reporting.

Overview: It is a comprehensive solution designed to automate hotel operations, and enhance customer experience.

### 2) General Description.

The system will be user-friendly and provide easy access to hotel staff and guests. It will feature a centralized database, real-time updates and reporting capabilities.

### 3) Functional Requirements.

The system will have features such as
- Online booking
- Room allocation
- Customer relationship management
- Checkin/Checkout
- Inventory management
- Billing and reporting.

## 4) Interface requirements

The system will have a user-friendly interface for hotel staff and guests. It will have integration with payment gateways, third party applications and communication channels.

## 5) Performance requirements

- Fast response time
- Accurate processing
- Secure transactions
- Supports transactions and ensure data integrity and confidentiality.

## 6) Design constraints

The system will be designed using the latest technologies and comply with industry standa-rds. It will be scalable, flexible and customizable to meet future requirements.

## 7) Non-Functional Attributes

The system will ensure
- Security
- Reliability
- Portability
- Maintainability
- Compatibility with different devices, operating systems and browsers.