1) Hotel Management System

Problem Statement :

The hotels currently use manual.

Most hotels currently using manual system of management for most processes is hard to maintain and retrieve.

There is a need for a hotel management system to automate these processes and improve efficiency and customer satisfaction

Software Requirements Specification (SRS)

1) Introduction:

1.1) Purpose of this document :

The purpose of this document is to provide a detailed description of the hotel management system including its functional and non functional requirements.

1.2) Scope of this document :

The hotel management system will automate the day-to-day operations of a hotel. The system will include modules for managing room reservation, guest check in and check out, billing etc. The t

Overview:

1.3 Overview

The hotel management system is an online application that automates hotel management process. This conveniently simplifies day to day tasks of that related to hotel management.

2. General Description

The HMS is designed to meet the needs of various users including hotel owners, manager, staff, and guests.

Features in this included such that it benefits to help manage hotel operations and increase revenue and improve quality of service

The objective of hotel & various users is different, for example the objective of hotel owners is to efficiently manage hotel operations increase revenue and they require enter system to monitor operations generate reports and make

3. Functional Requirements

1. Reservation System
2. Check in check-out
3.

1. Reservations to be made by guests are allowed. The details are to be provided by the guests themselves.

2. Check in and check outs are to can be done by guests to and automation system updates the inventory and billing information

3. Billing and Payment is done by the automation wherein the system calculates and generates accurate bills for guests with multiple payment options.

4. Staff scheduling is done by the system. It maintains the up to date schedule of hotel Staff

4. Non Functional Requirements:

1) Security: The system shall con maintain confidentiality and integrity of data

2) Performance:
   The system shall provide fast and responsive to UIs

3) Usability: The system shall be user friendly and convenient to use

4) compatability :-

The system shall be compatable with a variety of devices and web browsers.

4 Interface Requirements :

UI design should be user friendly and efficient

~~It should a~~
Navigation and menus of the system should be designed to help users quickly find the information that they need.

Input and output screens should allow users to ~~enter~~ retrieve data easily.

5 Performance Requirements :- Design constraints

The ~~book~~ system should be designed using web based technologies to ~~to~~ be scalable to accomodate future growth

The system should be designed to handle large number of concurrent users and transactions.

The system should be cost effective and efficient and cost should be minimised in places to get

6. Performance Requirements:

The hotel management system should be able to handle multiple concurrent users.

The system should respond to user requirements within specific time frame.

The system should be scalable to accomodate any increase in number of users and data volume.

8. Preliminary Schedule and Budget:

Preliminary Schedule:
1) Requirements gathering and analysis: 1 month
2) Design and architecture: 2 months
3) Development and testing: 6 months
4) Deployment and user training: 1 months
   Total: 10 months

Preliminary Budget:
1) Salaries and wages for development team:
   $500000
2) Hardware and licensing: 150000