Hotel Management

Problem Statement :

A hotel management systems main focus is to provide a software that facilitates the day to day activities of a hotel like, reservation of rooms, check-in, check out, room service etc.

SRS:

1. Introduction

* To define and document functional and non functional requirements by making sure effective hotel management

* To ensure that the hotel operates as smooth as possible

* Hotel management SRS contains the general description, functional requirements, non-functional requirements, interface + performance requirements, design constraints.

2. General description

Provide the hotel employees with a platform to efficiently manage the hotel operations and provide good customer support

Features are:-
room reservations, ek-check-in, check-out, billing etc.
Due to improved user experience benefits are increasing the efficiency and accuracy.

3. Functional Requirements

* Security of the hotel
* Room maintainance and housekeeping services
* Check in and check out for guys guests
* Ensuring room reservation is easy
* Integration with other hotel systems

4. Interface requirement

* Integrating the system with payment gateways to make payment process efficient and secure
* Integrating the system with other booking platforme to give easy access to price and room information.
* Integrating house keeping software to give easy accell to cleaning and inventory schedule

5. Performance Requirement

1. Required amount of time : Request from users should be accomplished as soon as possible

2. Seanity : Protection of important information should be done

3. Scalablity: System should be able to handle heavy traffic during the peak hours

6. Design Constraints

1. Time Constraints : should not take multiple years for development and implementation

2. Software constraint: limitation in the processing and storage of data and speed of data

3. Hardware constraint: integration of the system with the already existing hotel infrastructure should be done neatly.

7. Non functional Attributes

1. Scalability capacity: the system should be able to handle increased demand

2. Comparability: the system should be compatible with already existing application

3. Security: Ensuring the hotel data is secure

8. Preliminary schedule and budget

* Planning: 10 days
* Development phase: 6 months
* Testing: 3 months
* Deployment: 2 weeks

* Hardware: $125,000 - $150,000
* Training: $50,000 - $55,000
* Personal: $500,000