Hotel Management System

Introduction:

The regular hotel management system project entirely in an android app. This android application allows the hotel manager to handle all hotel activities in his android phone. Interactive guy and the ability to manage various hotel bookings and rooms from an android phone makes this hotel management system very flexible and convenient. The hotel is a very busy person and does not have the time to sit and manage the entire thing sitting at a single computer. This application gives him the power and flexibility to manage the entire system from a single android phone. Hotel management android project provides room booking, staff management and other necessary hotel management features top make it a complete portable hotel management solution.

Purpose:

The Software Requirements Specification (SRS) will provide a detailed description of the requirement for the Hotel Management System (HMS). This SRS will allow for a complete understanding of what is to be expected from the newly introduced system which is to be constructed. The clear understanding of the system and its functionality will allow for the correct software to be developed for the end user and will be used for the development of the future stages of the project. This SRS will provide the foundation for the project. From this SRS the hotel management system can be designed, Constructed and finally tested.

Scope of the Project:

The introduction Software, Hotel Management System which is going to be implemented for Hotel Dayal will automate the major operation of the hotel. The reservation system is to keep track in the room and hall reservation system is to keep track in room and hall reservation and check availability. The Room Management System is for manage all room types room services. The inventory Control system will keep track in all inventories of the hotel and guest details will handled by guest management. Administration department will monitor the all. There are three End users for HMS. The end users are Owner, Manager and Receptionist. The system should be user appropriate, easy to use, provide easy recovery of errors, and have an overall end user high subjective satisfaction.

Features:

- Sometimes it happens that the rooms get booked soon when one visits the place therefore user can make advance booking using this system.
- It saves user time in search of rooms.
- The system is useful as it calculates an exact cost for requested number of days.
- It saves organization resources and expenses.
- This system is effective and saves time and cost of users.
- The system is portable i.e. cab ne used from anywhere.
- Easy registration.

User Characteristics:

1. Owner
2. Managers
3. Receptionist

Constraints:

1. Hardware
2. Software
3. High Level Language

Functional Requirements:

- Make Reservation
- Search Room
- Add Payment
- Issue Bills
- Manage Guest (Add, Update Guest)
- Manage Room Detail (Add, Update, Delete)
- Manage Inventory (Add, Edit, Delete)
- Manage Staff (Add, Update, Delete, View)
- Set Rates
- Retrieves reports (Staff payment, Income)
- Manage Users (Add, Update, Delete)
- Taking Backups
- Email notification

Non-functional Requirements:

1. Safety Requirements

There are several users' levels in hotel management system, Access to various subsystem will be protected by a user log in screen that require a username and password. This gives

different views and accessible function of user through the system. Maintaining backups ensure the system database security. System can be storing in any case of emergency.

2. Security Requirements

Customer service representative and managers and owner will be able to log in to the Hotel Management System. Customer service representative will have access to the reservation/booking and subsystem. Managers will have access to the management subsystem as well as the reservation/booking subsystem. Owner has the maximum privilege to all subsystem. Access the various subsystem will be protected by a user log in screen that require a username and password.

3. Other Requirements

When the system is completely developed and submitted to the client, few sessions will be required to make the users of the system understand about the functionality of it and some time to adapt to the system. After those session, it's required that a member from the development team should spend some time in the system background for an agreed time period. That time period will be used in identifying new bugs that could not be reached in the earlier phases of development process.

Client should have a valid e-mail account in order to receive reservation e-mail notification.

References:

- **Books References:**
  1. IanSommerville, Software Engineering 8th edition.
  2. ElmasriNavthe, Foundation of database system 3rd edition.
  3. RaguRamakrishnan/johnesGehrke, Database management system 3rd edition.

- **Internet References:**
  1. www.softwareadvice.com /hotel management
  2. http://ww.high-level-software.com /features