

Software Requirement Specification (SRS) on Hotel Management System:

1. Introduction:

The Hotel Management System is a tool for booking hotel rooms online. It provides all the tools required to streamline the process of hotel room booking such as payments interface, booking and cancellation features.

~~1.1~~ Purpose

2. Problem Statement:

The conventional methods of booking hotel rooms by ~~can~~ contacting agencies or ~~other~~ by contacting the hotel directly for checking the availability of rooms is a very tedious process.

Also, this process is very inefficient as the hotel rooms availability information must be shared and known to all the agencies which enable the booking of such hotels.

The update and modification of availability is also a very difficult process on ~~conventional~~ conventional pen and paper methods.

3. Scope:

The hotel management system provides a systematic and efficient way of booking hotel rooms by overcoming all the shortcomings of traditional booking methods. The website enables users to directly make a booking without any need of intervention of agents in the booking process. The availability of rooms can be automatized using the website. The website ~~also~~ also enables easy cancellation options. This system can provide many features such as login, signup, ~~payment~~ multiple payment methods, user-friendly ~~UI~~ interface to make the process

easy and efficient.

4. Functional Requirements:

4.1 Customer Requirements:

4.1.1 Registration: Customer should be able to register with ~~the~~ his/her email-id and mobile number.

4.1.2 Customer must select a locality where he/she needs to search for a hotel.

4.1.3 Customer ~~must~~ should be able to select a hotel, and different types of rooms available. He/she should be able to select the breakfast options.

4.1.4 Customer should select the ~~date~~ dates and add the details of all other customers who will ~~check at~~ be staying in the hotel.

4.1.5 Customer should be able to make the payment securely.

4.2 Hotel Manager Requirements:

4.2.1 Hotel managers should be able to ~~see~~ see all the details of bookings made by customers.

4.2.2 Hotel managers must allot the staff and hotel rooms for maintenance of the bookings made.

4.2.3 Hotel managers must take care of the additional services booked by the customers.

4.2.4 The managers must ~~take~~ ensure all the needs of customers are fulfilled.

5. Non-functional Requirements:

- 5.1 Speed: The website should operate smoothly at all times and there shouldn't be any ~~lags~~ ^{delays} in the operation.
- 5.2 Accuracy: The bookings made ~~to~~ ^{must} be accurately updated.
- 5.3 Efficiency: The booking process must be efficient.
- 5.4 ~~Availability~~ Robustness: The booking should be ~~reliable and~~ robust and the system must handle ~~failure~~ ^{failures} properly.
- 5.5 Security: The payment interface must be highly ~~secure~~ secure and ~~that~~ should not lead to any failures in payment.

6. Domain ~~Requirements~~ Requirements:

~~6.1~~ Height and rooms: ~~The~~ hotel building cannot be of more than 10 floors and on each floor there cannot be more than 15 rooms.

~~6.2~~ Each

6.1 Reservation:

- 6.1.1 Room Booking: Guests should be able to search for available rooms based on dates, room types and occupancy.
- 6.1.2 Check-in and Check-out: Guests should be able to check-in and check-out at the reception.

6.2 Customer Management:

6.2.1. Guest feedback: Collect and manage feedback, complaints, etc.

6.2.2. Guest profile: Maintain all the details of guests.

6.3 Room Management:

6.3.1. Room Pricing: Manage dynamic pricing based on season, demand, etc.

6.3.2. Maintenance: Maintain records of room repairs.