Hotel Booking System with New Features

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Abstract:- The Online Hotel Booking System is a project implemented for The Hours, which is a hotel booking system. It provides people all over the world with an easy and fast way to book hotel rooms online. The interface of the Online Hotel Booking System is Web pages that can be accessed with a Mobile Application. The system is implemented in Flutter and Firebase. Users can perform room booking activities at The Hours Hotels anytime and anywhere by accessing it via the Internet. The Online Hotel Booking System is an easy-to-use application. Everyone who knows how to use a Mobile App can easily carry out a booking, change the booking details, cancel the booking, change the personal profile, view the booking history, or view the hotel information by following its simple and clear GUI (Graphical user interface) design.

Keywords:- OTA(Online Travel Aggregator). Administrator, Promo-code .

I. INTRODUCTION

The hotel reservation system is the way guests can create secure, online reservations. The process is similar to booking with an online travel agent (OTA), but the difference is that the hotel's booking engine links up directly to their website and doesn't charge any additional fees for the property.

A hotel reservation system is software that helps guests book rooms in a hotel. Guests can choose how long they will stay, and the type of room they want, get add-ons and pay securely online through a payment platform. The hotel reservation system software makes it easy for guests to book rooms and helps hotels manage reservations.

There are many benefits that a hotel reservation system offers to the hospitality sector. First, it helps hotels manage their reservations more efficiently. With the help of the software, hotels can keep track of all their reservations in one place and can easily make changes or cancelations as needed. This saves a lot of time and hassle for both the hotel and the guest. Second, the software provides a secure payment platform for guests to pay for their rooms online. This is important because it protects both the guest and the hotel from fraud or theft. Third, the software offers add-ons and extras that guests can add to their room reservations. This includes things like airport transfers, restaurant vouchers, or spa treatments. Adding these extras helps increase revenue for the hotel while also providing an enjoyable experience for the guest.

Overall, a hotel reservation system is a valuable tool for both hotels and guests alike. It helps streamline the booking process and makes it easier for everyone involved. If you're looking to improve your hospitality business, then investing in a good quality hotel reservation system is something to consider.

II. MOTIVATION

Our motivation was to create something new that will change the hospitality industry. We wanted to let people save money and at the same time give them the flexibility to book hotels at their ease. We knew we had to develop software that would be very handy and attractive to use. So, we started learning about different technologies and implementing them together. And finally, we built a team that can make technology aspects look easier. this application gives more productivity to the efforts of the hotel managers and the customers. It is beneficial for customers who want to book hotels before they will actually visit the spot.

III. OBJECTIVES

The hotel booking system should allow customers to search for available rooms by location, date, and room type. The hotel booking system should allow customers to view room availability and pricing information. The hotel booking system should allow customers to view and select available room amenities. The hotel booking system should allow customers to view and select available check-in and check-out times. The hotel booking system should allow customers to view and select available payment options. The hotel booking system should allow customers to view and select available cancellation policies.

IV. REQUIREMENTS

A client requirement is one of the most important parts of a job. Client requirement is all about meeting client expectations and going beyond them, doing your best to exceed them One of the reasons why customers prefer to buy high-quality products is that quality product lasts for a longer period. unique budget allowances or constraints. They may also compare prices between competitors to determine considering quality, price, and convenience of different products to choose the one that best suits you. Businesses need to understand their customers to set the right price. Companies also need to make enough money by ensuring that their prices are high enough. Programs with multiple tasks, the work being done with these programs, the purpose for which these programs are developed, and A

great example of this would be a haircare business that offers a bundle of three products for a discounted price. Companies save money when they purchase a bundle of goods because they can buy popular products at a discounted rate. The rewriter is a sentence rewriter. It means it reads the sentence and then changes it around to create a new sentence. The quality of a product or its materials can have an impact on the purchasing decisions you make. The most important thing to look for when buying a product is how long it will last. The best products are those that last a significant amount of time, not those that break easily. Quality also depends on the customer's personal preferences. For example, if a person wants to buy organic, they might buy organic products. There's scientific evidence that a diet rich in fruits and vegetables boosts immune function and reduces the risk of various diseases. Similarly, as a business owner, you can't just depend on experience to create a high-quality product. A customer may want to purchase a sweater made from natural fibers like cashmere instead of acrylic or some other manmade fabric. synthetic materials like polyester.

V. PROPOSED SYSTEM
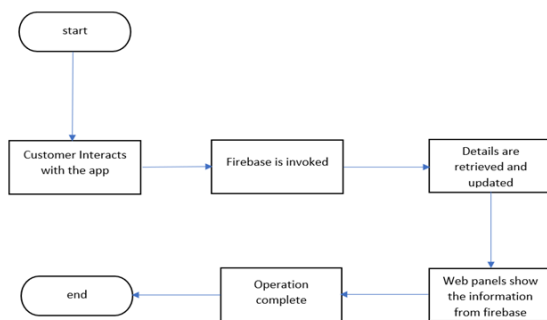
➢ *Flow Of System*

Fig 1. Flow chart of the software

➢ *Panels in the Software*

- Vendor Panel – This is a panel where hotel administrator can handle their tasks. the tasks are the following such that add hotels, edit hotel details, track bookings, manage bookings, check payments, see feedback to their hotels, change, prices and add rooms.

- Super admin panel- This panel allows the business administrator to control all the aspects of the software like:-add vendors, seeing all hotels, payment checking, feedback, promo code generation, promo code tracking, banners of applications, referring and earning discounts, and deleting hotels.

➢ *Application of the Booking*

This hotel booking system can be used by every user who is willing to book his stay in a hotel. Now people can check out every hotel available on the hotel booking platform, compare them, see the services provided by the hotel and then book the same with the ease of their mobile. People can book a hotel within a few clicks and have a comfortable stay in the hotel.

➢ *Advantages*

People can book hotels from anywhere across the globe. It is more convenient for hotels to manage their business only, keeping track of guest needs and feedback can help them to keep track of their services and the satisfaction of their guests.

➢ *Limitations*

There may be some limitations in the software, like a few bugs in the software, and firebase issues. Denial of check-in by hotels, because of their property issues

VI. CONCLUSION

An improvement proposed is the integration of their reservation system, with a more modern online-based reservation system and better software. With internet use, interviews and observations, proponents suggest a simple yet systematic implementation of an online based reservation system whose software includes modules such as a home module, Registration and Verification, Security, booking/event planning, and Log-in. Monitoring features are also included. You can create reports, perform file maintenance, manage FAQs and help articles. You can also edit your website's information by clicking on the About link.

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