A Review on Business Management of Hotel System

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ABSTRACT:The purpose of this research, computerized hotel management system with Satellite Motel Ilorin, Nigeria as the case study is to understand and make use of the computer to solve some of the problems which are usually encountered during manual operations of the hotel management. Finding an accommodation or a hotel after having reached a particular destination is quite time consuming as well as expensive. Here comes the importance of online hotel booking facility. Online hotel booking is one of the latest techniques in the arena of internet that allows travelers to book a hotel located anywhere in the world and that too according to your tastes and preferences. In other words, online hotel booking is one of the awesome facilities of the internet. online is not only fast as well as convenient but also very cheap. Nowadays, many of the hotel providers have their sites on the web, which in turn allows the users to visit these sites and view the facilities and amenities offered by each of them. So, the proposed computerized of an online hotel management system is set to find a more convenient, well organized, faster, reliable and accurate means of processing the current manual system of the hotel for both near and far customer.

KEYWORDS: hotel management, hotel management, Booking a hotel.

I.INTRODUCTION

Hotel Management System operates a global online hotel reservation system for business and leisure travelers. To compete with the international e-marketplace, a great deal of attention should pay towards the optimization of user requirements to generate recommended hotel alternatives [1]. In general sense, hotel management is the way of maintaining different activities of a hotel where a number of staffs are engaged to perform a number of these activities. At first let us take a glance to an ordinary hotel. For hiring a room in this type of hotel, the client needs to meet with the receptionist to collect the information of hotel facilities [2]. After that he is to fill up the pro forma provided by the hotel authority, then he has to pay the defined amount of money and is offered room key for his/her rented room. He/she is then finishes the formalities a reception zone through these undergoing customs. But client always wants greater privacy and reliable security. Kool manoj wong et al. [3] developed an intelligent e-marketplace for the tourism based on fuzzy to serve the customers who wants to travel but has no idea about the accommodation [4]. This system is global in the sense that anyone can use this to find the appropriate hotel according to his/her affordable means [5]. The details of the hotel management systems including the franchising, casinos, health Spas, payroll, credit, accounting control etc. are well described in [6].

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II. EXISTING SYSTEM

"HOTEL Management System" has been designed to computerize the following functions that are performed by the system :
- ✓ Room Detail Functions
- ✓ Opening a New Room
- ✓ Modification to Room assigned
- ✓ Check-in and check-out Functions
- ✓ Sign-up of New customer
- ✓ Room assigning related to customer's need
- ✓ Statement of customer Details
- ✓ Room Details

Individual customer Report

DISADVANTAGES OF EXISTING SYSTEM
- It is a time consuming process.
- There is no surety of availability of rooms.
- Paper work results in need of lot of space to keep the data.
- Lack of security.
- Chances of human errors.

III. PROPOSED SYSTEM

- Booking a room online add up long before guest's arrival.
- Guests can read reviews and compare prices for Online Room Booking.
- The most important advantage of online room booking is convenience.
- Internet helps people to browse through the hotels around the world and compare the facilities and rates easily.

ADVANTAGES OF PROPOSED SYSTEM
- Saves time of customers in quickly reserving rooms.
- The ability to book rooms anytime, from anywhere with Internet access.
- Provides the information about hotel facilities.
- very secure.
- User friendly.

Architecture Diagram

Fig.1 Architecture diagram

Algorithm

A **search algorithm** is an algorithm that retrieves information stored within some data structure. Data structures can include linked lists, arrays, search trees, hash tables, or various other storage methods. The appropriate search algorithm often depends on the data structure being searched. Searching also encompasses algorithms that query the data structure, such as the SQL SELECT command.

INPUT: List of size N. Target value T
OUTPUT: Position of T in the list I
BEGIN

1. Set FOUND to false
Set I to 0

2. While (I<=N) and (FOUND is false)
If List [I] = T
FOUND = true
Else
I=I+1
END

3. If FOUND is false
T is not present in List.
END

Whether the sequential search is carried out on lists implemented as arrays or linked lists or on files, the criterial part in performance is the comparison loop step 2. Obviously the fewer the number of comparisons, the sooner the algorithm will terminate.

The fewest possible comparisons = 1. When the required item is the first item in the list. The maximum comparisons = N when the required item is the last item in the list. Thus if the required item is in position I in the list, I comparisons are required. Hence the average number of comparisons done by sequential search is (N+1)/2

$$\frac{1+2+3.....+N}{N}$$

$$= \frac{N(N+1)}{2*N}$$

$$= (N+1)/2$$

Module Description

The centralized architecture for venue recommendations must simultaneously consider users' preferences, check-in history, and social context to generate optimal venue recommendations. Therefore, to address the scalability issue, we introduce the decentralized cloud-based MobiContext BORF approach. The following are some of the major components of the proposed framework.

Number of Module:-

After careful analysis the system has been identified to have the following modules:

1.User Profile:-
     User module is the main module in this project which is very useful to user.In this module user can see different hotels and different offers on hotel .user can book rooms,hotels,hallsand table.
       Our system will maintain records of users profile for every geographical area .the profile of user will consider as identification, venue visited by user. And check-in time of venue.

2.Admin module
The purpose of this module is verify the hotels and hotel offers which is sent by the employer module.after that send to the user.

3. Employer Module:-
   The purpose of this module is add different hotels and their offers.and send to the admin module.

STANDARDS AND QUALITY APPLICATION

Quality is an ancient concept that has obtained new attributes and can be defined in many ways such as

- Quality reflects that ability of a product or service to consecutively satisfy or exceed the expectations of the customer;
- Quality means getting what you are paying for;
- Quality is not something that is adopted as a special feature, but rather something that is an integral part of the product of service

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IV. IMPLEMENTATION

This system can be applied in hotels.It can also be implemented in resorts. Hotel management project provides room booking, room booking , table booking , hall booking and other necessary hotel management features. The system allows the manager to post available rooms in the system. Customers can view and book room online. Other hotel services can also be viewed by the customers and can book them too. The system is hence useful for both customers and managers to portably manage the hotel activities.

Screen 1 Home page
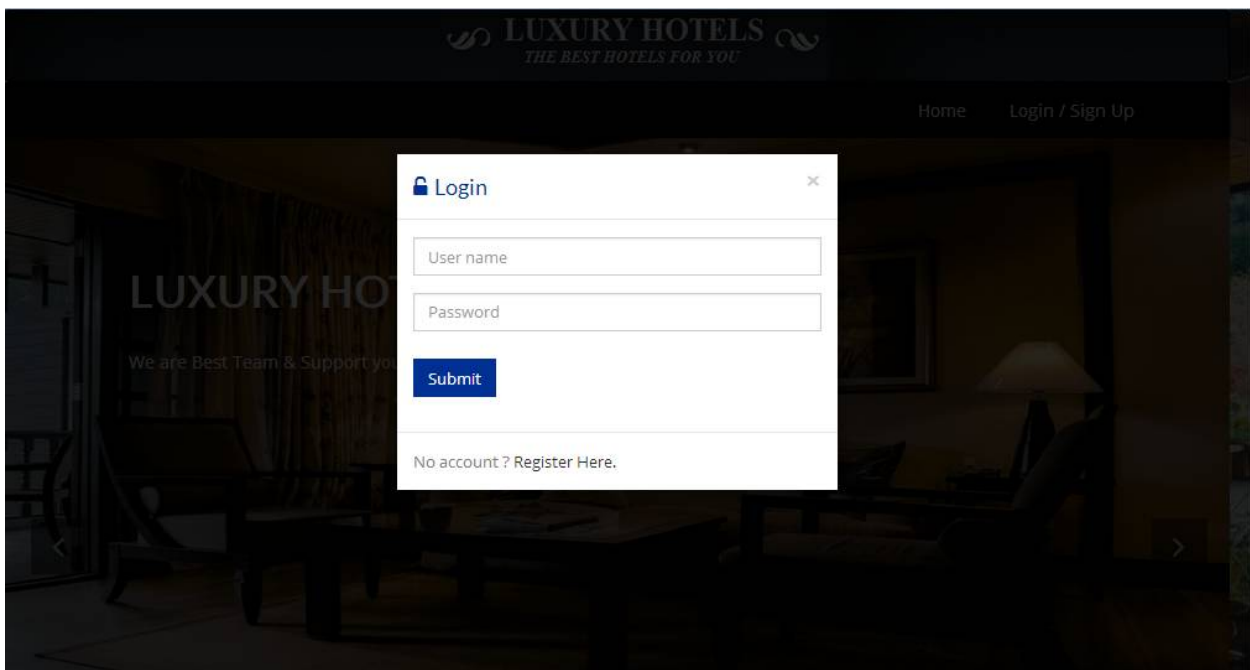
Screen 2 Login Page

Fig3

Screen 3 Registration page

Screen 4 Hotel Services
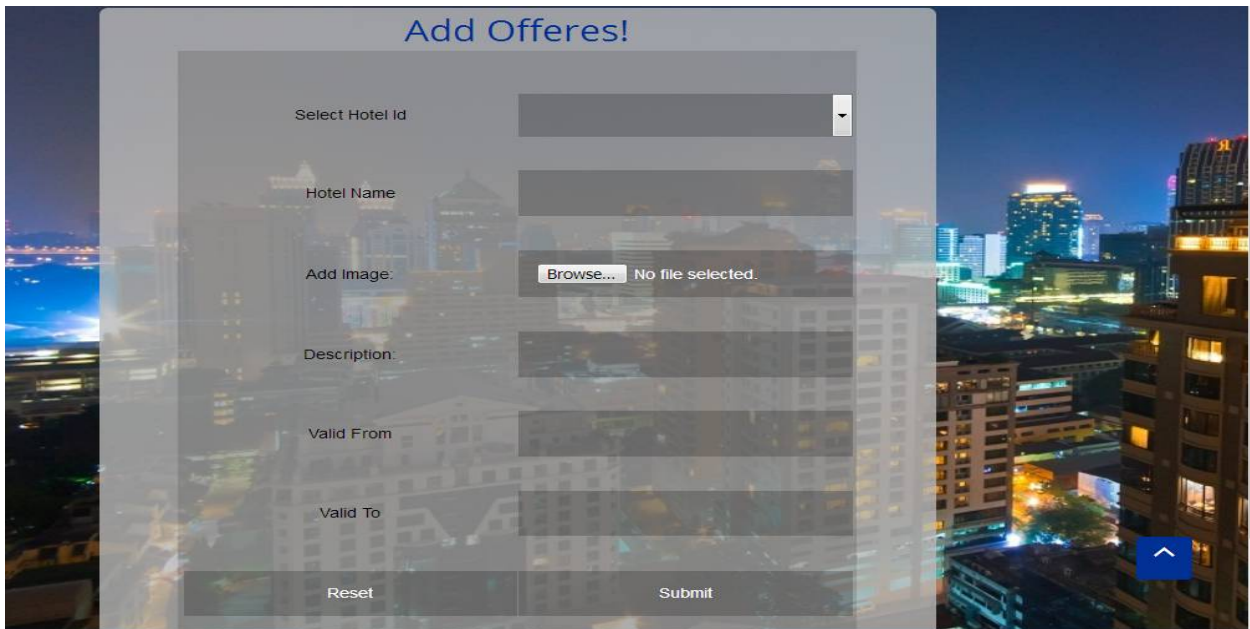
Screen 5 Add Hotel Offers
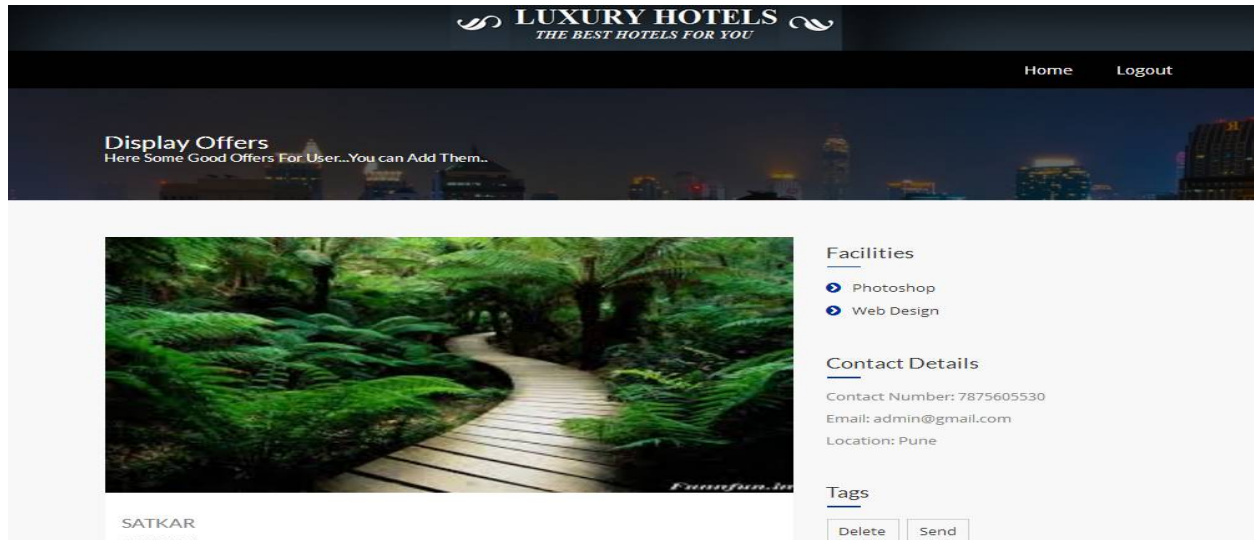
Screen 6 Show Hotels Description
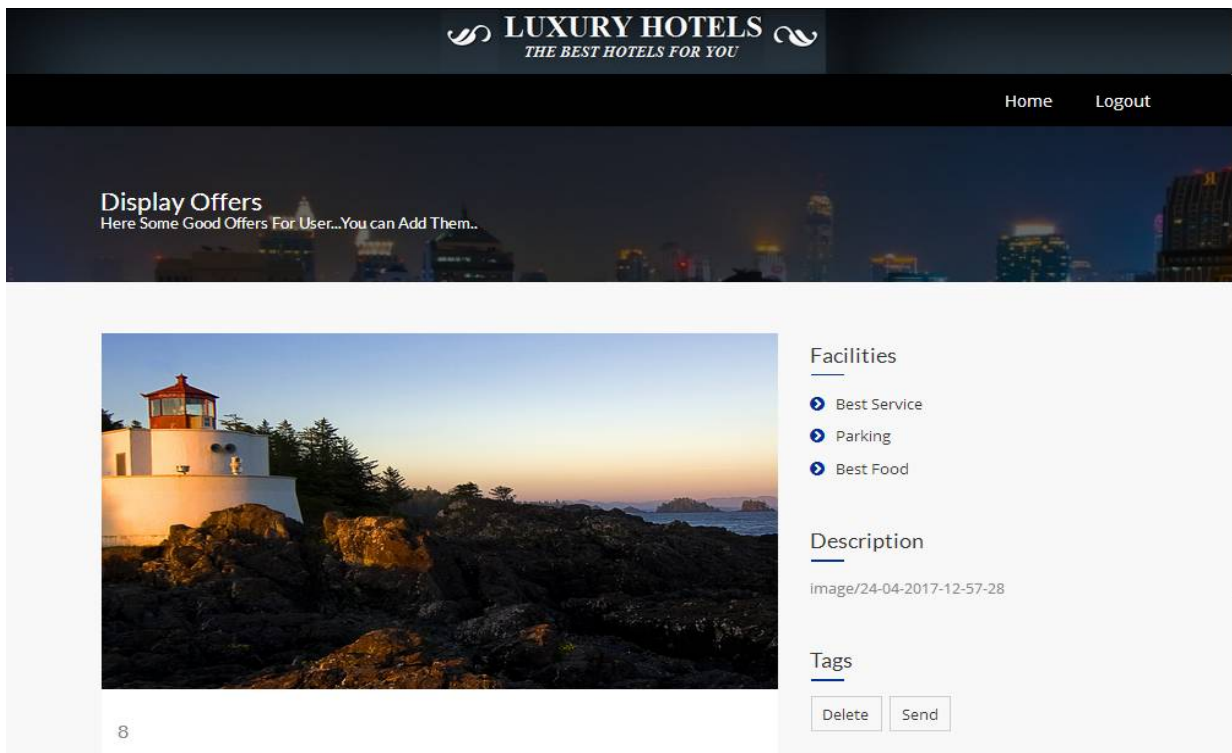
Screen 7 Display Offers
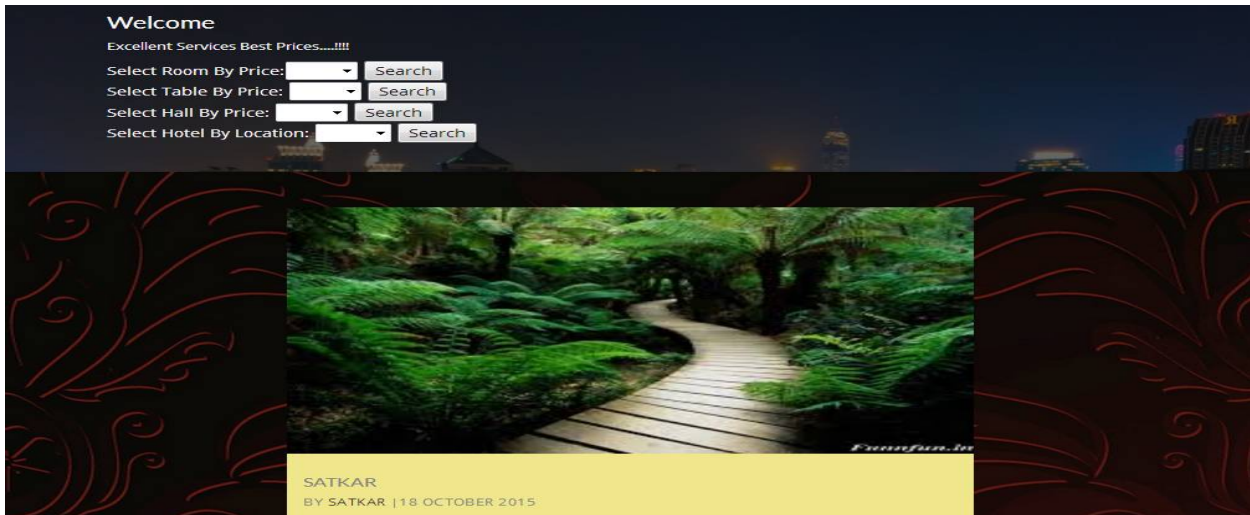
Screen 8 Show hotels Page

Screen 9All Services

Screen 10 Book Room

X. CONCLUSION

In this paper, user preferred online hotel management system (HMS) to conventional Manual Hotel Processing as investigated. Privacy, mobility, ease-of-use, security and cost are preferential critical assessment factors considered to impact user's choice decision.

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