International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395 -0056
Volume: 04 Issue: 03 | Mar -2017 www.irjet.net p-ISSN: 2395-0072

Web application for booking paying guest & explore mess and stationary in the nearby location

Ajit Tripathi[1], Gaurav Singh[2], Rajesh N[3]

[1,2]Department of Information Science and Engineering, National Institute of Engineering, Mysore
[3]Assistant Professor, Department of Information Science and Engineering, National Institute of Engineering, Mysore

---

Abstract-In the current era, the web applications which are *used by the user for various rental purposes like room accommodations, paying guest services, food services, and other day-to-day activities are present in different applications with their respective modules. These modules are not only complicated but also discreet which make the whole task time-consuming and lethargic. In order to eradicate these problems, we need a solution such that the user is able to complete as well as modify his/her rental accommodations*

1. INTRODUCTION

With the introduction of rental accommodations emerged various applications dealing in their respective fields like booking paying guests, hotels, flats services. Some of the well-known applications are NESTAWAY, OYO ROOMS etc. When people felt the need of locating restaurants, they developed yet another application to eradicate the problem of searching a restaurant for having food. Some of the applications in this field are ZOMATO, FOODPANDA etc. These applications are perfectly fine in their respective fields but they are discrete. Due to this nature of isolation, a particular user when trying to access both these features in a single platform finds him in a spot of bother. In order to remove this issue of redundancy, we are generating an application which will merge all the features into one single application. This integrated platform will help the user to save data, time and money. Let us consider an example where a first year student belonging to a different state or locality comes to a particular place.
Certainly he doesn't have any knowledge about the place. He needs to roam around for hours in order to search a place for shelter, a place where edible food is available. During the time of examination or assignments he /she have to look out for various stationary shops and other day-to-day activities. If all these problems are solved by browsing a particular application, the world of the user will turn out to be very easy and accessible. Our application will provide rental accommodations (paying guest services), food zones, and stationary shops in the proximity of the particular user. Once the user browses our application, he just has to enter his location and everything the user requires for his living will be one click away. The idea is very simple but will turn out to be very helpful and time saver for a particular user because it is completely based on real time issues which a common man faces as an immigrant in a new locality.

2. LITERATURE SURVEY

Literature survey is mainly carried out in order to analyse the background of the current project which helps to find out the flaws in the existing system and guides on which unsolved problems our can work out. So, the following topics not only illustrate the background but also uncover the problems and flaws which motivated to propose solution and work on this project. A variety of research has been done on learning of collective behaviour. Following section explores different references that discuss about several topics related to collective behaviour.

This system allows the user to do their booking online by them self. Some of task that the system can do are providing a query for arriving date and the length of staying, providing the number of On rooms, view all available rooms and provides user the ability to choose one or more of them, recording the number of on rooms, view all available rooms and provides the user the ability to choose one or more of them, recording kind of guests and how many going to be in the single room, providing the cost of booking, asking the users if they want additional service; such as, dinner or breakfast, storing the user detail; like, name, address and telephone, asking the user for confirmation, final confirmation views with the detail of booking and the guests can review or cancel the booking. For more understanding to the system is provided with some figures with expiation. The first figure shows the relationship between the end user and the web server and how the users interface stats and the application is done step by step. The second figure shows the relationship between the user and the screen. The screen transfer HTML codes to interface and when the user interact with it some process are done then the screen shows another pages. While the third figure shows how each page is related to each other.

The user can go to the next page by three ways. The first one is the user after inserting his/her information goes through pages in sequence way. The second way by navigation and this way provide the user the ability to go the pervious pages or to login page. The final one is one user insert unaccepted the page will keep the recent page.

3. Existing System

In Existing System, various discrete applications solve the purpose of what we are trying to demonstrate in this project partially. Being discrete, they will incur their respective data in a different manner. Due to this there is a huge consumption of data and time. The user when tries to own a rental paying guest and consume food in a food zone he/she has to open separate application for this purpose. Therefore the system lacks integration of this application. Say a person books a room in a paying guest on the basis of his location using NESTAWAY, which only provides the detail and infrastructure of the accommodation, he/she will not have any access to find a suitable food zone. Since food and shelter go hand in hand, that is it will be futile to book a room in an area without food zone in the proximity.

Therefore the existing system though solves the problem but does it in a way which is hectic, lethargic and time consuming which gives us a hint to design an application based on the algorithm of integrating these platforms.

1. There are hotel room booking and flat booking services available like OYO & NESTAWAY.
2. Applications to locate, rate & visit the restaurants are available like ZOMATO.
3. There are no solutions yet to locate stationary shops in the proximity of the location.

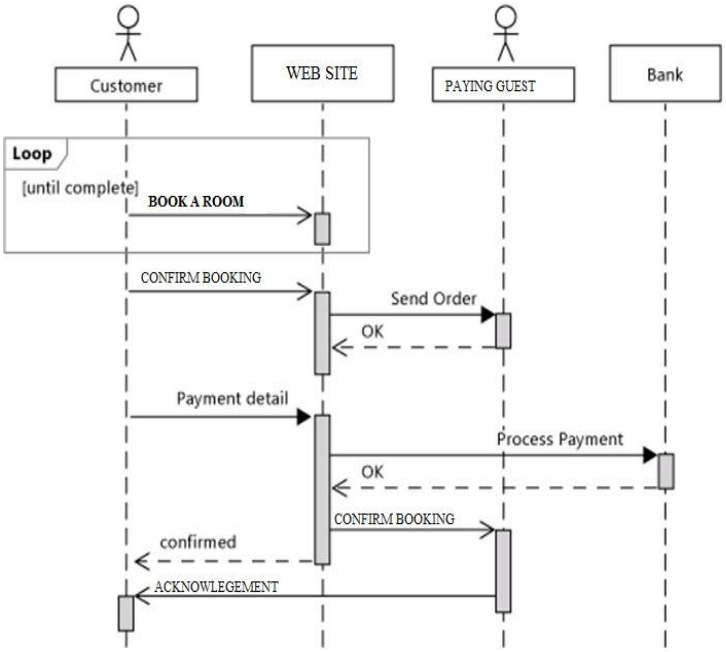
3.1 Disadvantages of Existing System

1. They are meant for hotel and flat services only. None provide paying guest solution.
2. Lack of budget based restaurant services in the application.
3. Lack of integration.
4. High data consumption.
5. Time consuming.
6. Different platforms for different jobs

4. Proposed System

We propose a project which is a web application used to book paying guest rental accommodations, food zone, or a restaurant, as well as stationary or student related articles' shop in the proximity of the location of the user. It is an application which contains all the three modules in an integrated platform. Previously in the existing system they were discrete and random, now it is merged into one distinct application. This not only includes facilitates the clients but also helps various users to host their accommodation on the website. When a user browses our website, he/she enters his location (or taken up manually). Our website will have various cloud storing features. Using this cloud services, the user will be able to track down the entire paying guest in the neighbourhood. The user can then contact the particular host of the rental service regarding the reservation and availability of the room. The availability features can be updated by the host using our application accessing the cloud storage. Using real time tracking, the user will be able to sniff around our application and find food zones on the basis of the location of paying guest. This will remove the problem of transportation from the paying guest to the restaurant.

Fig -1: Sequence diagram



Day-to-day activities in the life of a student include searching for stationary shops. Now using the website, they can easily find the shops located nearby using Real-time tracking. One of the most salient features of our website is the use of E-Mail notification for availability and updates. When a host advertises his/her service on our website, have the responsibility of updating their status and ratings. The user when searches his/her accommodations, these searches will be stored as a history and in order to implement data mining technique. This technique will scan all the previously searched queries and then generate a result which is as per the preference of the client. Once a user finds him in the position in a position to avail the service, using the chat option they can establish an end to end communication between the client and the host. All in all this will serve a perfect blend of easiness and time saver using sophisticated techniques like data mining, real time tracking, and cloud storages.