

Application to Book Hotels and Restaurants

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Abstract –

Applications which are used to book our favourite hotels and restaurants have now become a necessary tool in our day to day life. It has simplified and enhanced the experience of pre-reservation of the hotel rooms and preferred tables in various restaurants. In fact much and more people today search for the hotels online even they are going on a vacation or for a corporate purpose. In past people had to visit the hotel directly and book the rooms according to their budget. Many times they had to return empty handed as mostly the rooms were full specifically during peak seasons. But when they have this application, they will have the complete information of the hotel which they want to book rooms.

Keywords - hotels, restaurants, tables, customer, bookings

I. INTRODUCTION

This application lets users to book their favourite hotels and the restaurants. Such programs are already designed to convincingly serve and offer the people. Though there are various applications available in the market and wisely used by the people around the world, but our application has a feature that none of the any previous application has. In existing system there is not a combined application for both the hotel and restaurant bookings if we want to book the hotels and restaurants we have to use the separate application for the each purpose. But our application is a combined module of both the hotel and the restaurant bookings. While booking a hotel user can also able to book the restaurant at the same time. It's really better to use the single application for both the purpose. So that the time will be saved. Once the user became the member he will get the various offers and benefits from the various hotels and the restaurants so that money will be saved.

II. PROBLEM DEFINITION

In most of the scenarios customer faces many issues with the applications that they use. In many cases people face technical related problems that tends to create bad impression on that particular application. In some cases they feel some dis-satisfaction and inconvenient with the hotels as they provide bad quality of foods. So to eradicate this kind of problems our application will surely be an assist to the customers.

III. PROPOSED SYSTEM

A. User login

In the proposed system, user have to register in the application web. After this process they can able to see their favourite hotels and restaurants. The user data will be stored in the database.

B. Working of Application

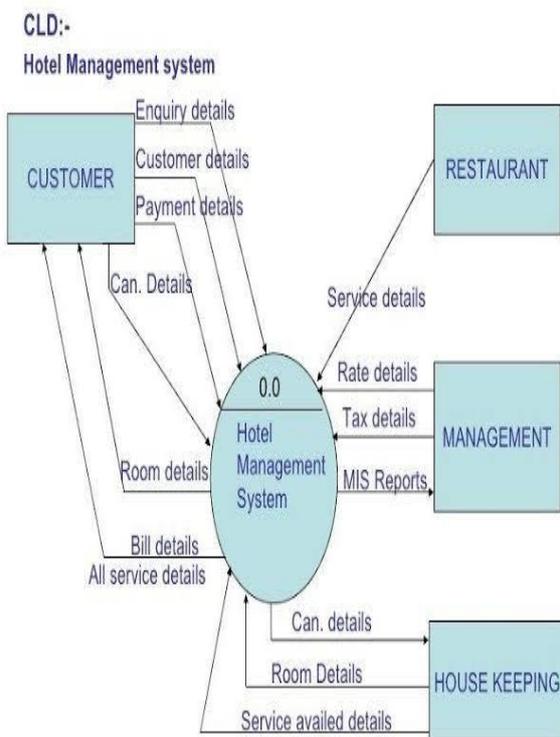
The system works by processing the secure booking made through a hotel's website. The data is then passed onto a backend system which can be accessed by the hotels and restaurants to manage the bookings. On other side travellers can book rooms through this application and can compare the prices and facilities at different hotels.

C. Database

Database is what makes an application or website dynamic. Anytime a user make a request from the app, database is supposed to accept the query, fetch the data, give it to the app user. Along with getting the information to a user, database is also responsible to accept new and edit the old data, as and when the user wishes. In our application we use MySQL database tool it's an open source platform which is easy to setup, scales fast, and is free. Because of reasons like these, we have placed our trust in MySQL for all the database requirements.

Advantages of Proposed System

- It is a highly flexible programme and facilitates report generator, user definable report menus.
- Complete graphical illustrations of each hotel and restaurant.
- Saves the time of the customers in quickly reserving rooms.
- Application is developed in ruby on rails language so the security is on its high level.



Description:

Admin Login:

- User has to login to the system to access various helping pages through which user can ask queries to the system.

Booking:

- Users has to verify their account in order to confirm their registration.
- After the successful registration user can visit their favourite hotels or the restaurants and book it.

Payment:

- Payment process could be done once the user successfully book their hotels or restaurants

IV. CONCLUSION

We create a software tool which could be used by anyone and can be accessed from anywhere using the internet. It helps the customers in a right way to book their hotels and the restaurants.

V. FUTURE WORK

In the proposed system the possible queries are feed in the form of AIML (Artificial Intelligence Markup Language). Manual feeding of information are mostly likely used in the small organizations. In future system we will implement a web scrapping process in the chatbot system by fetching the information from organization website to response the user queries as well as using AIML.

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