House Rental Management System

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Abstract - We are stuck with technology when what we really want is just stuff that works with the current paradigm shift in technological field, there is an urgent need to embrace and appreciate the power of technology. Housing sector remains vigilant to face the challenges of change by employing a new strategy that facilitates easy management of rental houses. Hence there is need to develop a rental house management system that can simplify work for the rental managers so that all their work can be efficient and effective.[1] The Rental Management System is Searching in Based on the Apartment Paying Guest, Office, House in metropolitan cities. The Rental Management System is Based on the Owners and the Customers. The Rental Management System is save the time also. The Rental Management System is used to easily identify the suitable place in Save time, cost also. The Rental Management System is best way to search the house, apartment office, paying Guest. Hence this system is best applicable for the above reasons making House rental an easy process through an online system

*Key Words***:** Cloud, Amazon web services(AWS), House, Security.

1.INTRODUCTION

The Rental Management System is used to easily identify the suitable place in Save time, cost also. Hence this system is best applicable for the above reasons making House rental an easy process through an online system. To produce a web-based system that allow customerto register and reserve houses online and forth company to effectively manage their House rental business. profit based of the type of house that are rented. The rental houses are categorized into modern Homes, Colonial, apartment, Rentals etc. And customers are free to choose any house of their choice based on their purse and availability of such houses at the time of booking.

This project traverses a lot of areas ranging from business concept computing field, and required to perform several researches to be able to achieve the project objectives. Real Estate Company: This includes study on how the Real Estate business is being done ,process involved and opportunity that exist for improvement. PHP Technology used for the development of the application. General customers as well as the company's staff will be able to use the system effectively. Web-platform means that the system will be available for access 24/7 except when there is a temporary server issue which is expected to be minimal. This in volves studying the existing systems and learning their weakness hence developing a new system to cater for the challenges the local and world domains face when dealing with house rental issue.[2]

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2. RELATED WORK

Home is one of the basic needs for human being. From the four needs of human being as its need people who have home may live through paying rent for other people who have more houses. But here what we have to understand is that the relation between the person who rented house and the renter stem will contact the house owners to check the House and contract out for a room/home/apartment.[3] This system increases

customer retention and simplify House and staff management. The System can be used by Real Estate Companies to increase the house rental market around the world. The system will also help people to rental apartments/houses easily instead of walking and manually renting houses. It is also applicable for landlords who wants to expand their house rental business. A home is a dwelling-place used as a permanent or semi-permanent residence for an individual, family, household, or several families in a trib. You rent an occupancy by paying customers. This room is used solely as a hotel or similar establishment and is not a dwelling unit. There are different renters who have different behavior that show different characteristics on rented people. Some renters may have a positive relationship other may not. Here those renters who have bad behavior may show unpleasant or bad behavior on rented peoples. But here what we have thought is that how those rented people for renter that have bad behavior we live together. Renting of home may have advantage as well as disadvantage.

Advantages of rented person from that particular house are renter may work other kind of work with the time of constructing that house, he/she may not repair if that house deprecates etc. on the other hand the rented may get difficulties or disadvantage from that particular house are payment of period calls may enter The advancement in Information Technology and internet penetration has greatly enhanced various business processes and communication between companies (services provider) and their customers of which Real Estate/House Rentals industry is not left out.

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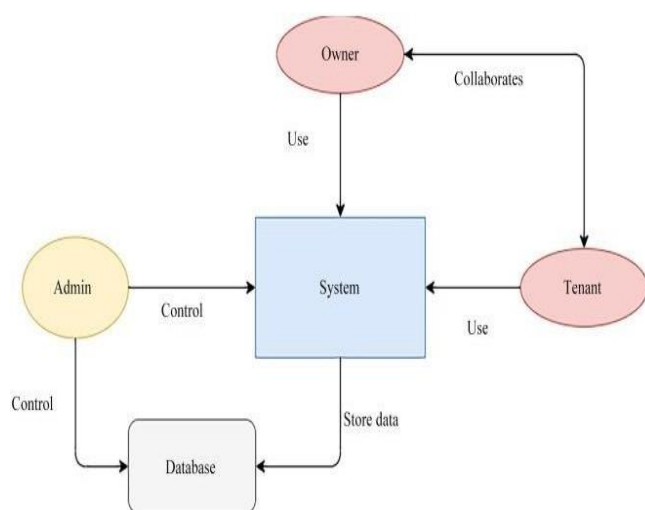
A House rental is a house that can be used temporarily for a period of time with a fee. Renting a house assists people to live in a comfortable house when they do not have access to build their own personal homes/houses or. The individual who wants to rent a house/room/apartment/home must first contact the House rental company for the desire House/Home/apartment. This can be done online. At this point, this person has to supply some information such as dates of rental, and type of house. After these details are worked out, the individual renting the house must present a valid Identification Card.[5] Most companies throughout the industry make a profit based of the type of house that are rented. The rental houses are categorized into modern Homes, Colonial, apartment, Rentals etc. And customers are free to choose any house of their choice based on their purse and availability of such houses at the time of booking. This online house rental solution is fully functional and flexible. It is very easy to use. This online House rental system helps in back office administration by streamlining and standardizing the procedures. it saves a lot of time, money and labor People come to the city from all over the country to live the life they want. Also, people want money and big cities are the platforms for making money. Everyone tries to do business or get a job with a good salary. Now the point is, they come to cities where they have their own place to live. So, everyone tries to get a house for rent. Also, students from all districts come to Dhaka and other big cities to pursue higher education. 97% of students are bachelors and they need a house to live in. But the main problem is that getting a house for rent is lengthy and it takes a long time to be processed.[3-4]

House Rental is a house/Apartment/home that can be used temporarily for a fee during a specified period. The individual who needs a house must contact a House Rental Owners Through House rental Online System by first checking the available Houses, booking it then The

system will contact the house owners to check the House and contract out for a room/home/apartment. This system increases customer retention and simplify House and staff management. The System can be used by Real Estate Companies to increase the house rental market around the world.

3. MODELING AND ANALYSIS

Our proposed system give all the features provided by the traditional existing systems, but instead of working only with nonspatial database, the system also works with spatial data. The system will have the following prominent features:- Specification based searching: This feature provides the related information to the users according to the specification they have provided to the website. For e.g., if a user is looking for a house with 1bhk at 9 lakhs, then only those properties which satisfy the for]mentioned demand will be returned to the user. Agent Notification Once the user is focused in a particular property and clicks the "Confirm" button a mail type message would automatically be sent to the agent who manages the corresponding zone, informing agent about the user's name, his contact number and email address.[12]
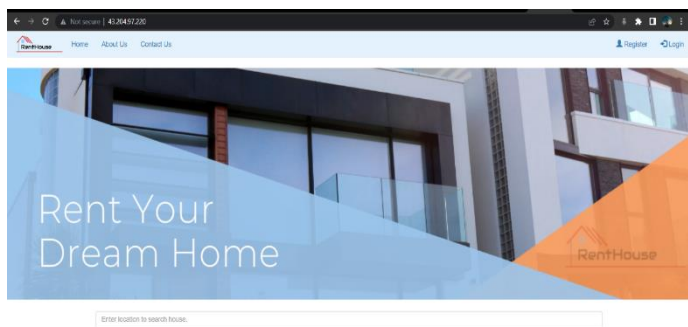

Fig -1: System Purposed Diagram

Adding property for sale A user can add his property that he is willing to sale so that it can be viewed by other potential clients focused in similar property. For this purpose the client is supposed to enter not only the location but also pictures and the cost at which he is willing to sale that property. Notifying interested users Whenever a new stuff is added, then a mail type notification is automatically sent to all those clients who were interested or were searching for a near property. Thereby notifying those users about the availability of that property. Allowing users to put interesting property finds in cart. The cart is an added database advantage to the users. The users would be given the feature of adding gripping properties into a cart before making a final decision. This would help the user to disparate interesting property finds and thus help in final decision making. Providing user with map based search Once a particular area is selected the user can gain needed related information on the basis of geographical factors. Whenever searching is done for a new house, the main focus is on the location. As location being a spatial entitywe are using the advantages given by spatial databases for our application. The application provides the user to select any particular location and get information appropriately. In this paper Space Spatial database is used for providing geographical information of the rental houses. Different examples of spatial data are existing, but the Important example of spatial database is satellite image [4-7]. Satellite image system will act as a reference system. The aim of this paper is to develop a prototype rental housing listing service using Microsoft technology. This is a basic website where user can register then log in and manage their property. This website helps the process and removes the overhead documents. The availability of website makes the process more user friendly and makes it more effective. User can register post, buy, rent their proper aswell as know the rates of property in an zone. There are some important issues in developing the rental housing web application [8-11]. First, the search time should be minimum. This depends on 2 techniques. Second, the web application should give the services that

both buyer and seller want. Third, the web application should have a friendly user interface.

Fig-2: House Module

4. METHODOLOGY

Followings are the module of House Rental Management System:

Tenant Registration Module:

This module allows Tenants or the system users to register and log in in case they want to make any inqueries in the system. Login modules is implemented in the online House Rental Management to only allowed a register person. we have to use this module in security purpose related on the detail.[10]

House Listing Module:

This module allows the system the system to query the uploaded Houses or property and display them in the web portal page called house listing.

Owner Registration Module:

This module allows property owners or landlords to register or log in incase the want to post their properties in the system without contacting system administrator to do it. The online House Rental management system in Registration modules is used to collect the user personal information. It has to collect the address, name, phone number also. The registration module details are stored in the database.[10]

Book House:

This module allows tenant to Book a house after selecting from available listed houses. In order to book a house, the tenant would be required by the system to log in or register to continue with the process. Online House Rental Management System has an implementation of House Booking where only registered members are allowed to view and book house for rental or lease.

Contact And Feedback:

This module allows Customers to send their queries and feedbacks about the system and services enquiries and their experience with the system sevices.

Admin Module:

This module allows system administrator to log in to the admin panel. This Admin module contain the complete details about customer and view the customer complaints. There are some modules like login, user view, add/view rooms, send message to customer, view complaint from customer. Login is used to create a login and sign into the login. User view contain the user details. The admin can add and view the rooms. If the admin wants to contact customer they can send a message. Any complaint by customer that can be view by the admin

To achieve the above-mentioned objectives some methodology has been followed and it is given below

i. The rental house software is based on the PHP using HTML, CSS, JavaScript, and the SQL database engine.

ii. **PHP** is part of the Scripting language framework, which is an unsegregated and managed environment for the development and execution of native code and run on local servers[7]

iii. **This** application can be run on AWS server with the help of EC2 services [9].

4. CONCLUSION

House Rental business has emerged with a new goodies compared to the past experience where every activity concerning House rental business is limited to a physical location only. Even though the physical location has not been totally eradicated; the nature of functions and how these functions are achieved has been reshaped by the power of internet. Nowadays, customers can reserve book/buy/sale House online, rent House online, and have the house contracted successfully without any sweat once the customer is a registered member of the House Rental Management System. The web-based House rental system has offered an advantage to both Tenants as well as Landlords to efficiently and effectively manage the business and satisfies customers' need at the click of a button.[6]

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