

REVIEW PAPER ON RENTAL SYSTEM

Abhishek Hatwar¹, Vijaya Paunikar², Gauri Sayare³, Shruti Ghumade⁴, P. A. Kuchewar⁵

^{1,2,3,4}UG Student, Department of Computer Science & Engineering, K.D.K College of Engineering, Nagpur, India

⁵Professor, Department of Computer Science & Engineering, K.D.K College of Engineering, Nagpur, India

Abstract - The proposed project is "ONLINE RENTAL SYSTEM" that provides customers an easy way to finding rooms, and vehicles on rent online. It overcomes the problem of manually finding rooms, and vehicles on rent in particular areas that unnecessary consumes time. Hence this project offers a web based rental system where users can view various utilities near them. Users can search for rental homes and rental cars in various locations by neighborhood or region, along with driving directions using Google Maps. With the current paradigm shift in technology, there is an urgent need to embrace and appreciate the power of technology. This helps users to register and find the perfect rental home or property and vehicle. You can also find the closest rental search view in your target area. This website has been developed to meet all your needs from buying property to selling property to renting/leasing property. Users have the option to upload room details (if they are landlords) along with appropriate photos and search for available rooms (if they want to be renters). Customers can also use the system to rent vehicles such as bicycles and scooters. The client should either create a backup account or log into the system with the created account before proceeding. You can then read the available vehicle and rooms at each branch and create reservation for the same. This method is useful for administrators as well as customers.

Key Words: Rental system, room rental, vehicle rental.

1. INTRODUCTION

Since the management of rental housing and rental vehicles has become an important part of modern society, a rental management system is necessary. If you are a stranger in the city and want to rent a house, and vehicle it is difficult to find a suitable house in time, and vehicle in emergency. This is the main motivation behind the project development of Online Rental Management System. An online web portal that allows you to manage rental properties and vehicles, allow tenants to view all properties listed, and search for needs by keywords such as property type, location, and more. We also need the ability for renters to view all property details, and shortlist of their preferences, register and book a site visit. The website requires a member registration form and a request to contact the administrator for marketing purpose.

Registered members must have the ability to book site visits, view recently viewed site visits, and review sites in his/her account. A property owner and vehicle owner can publish their property and vehicle on the portal, manage it, contracts, and assigned tenants Technologies used on the front end are HTML, CSS, Bootstrap and JavaScript. These technologies can make your website responsive. This means your website works smoothly on all devices. The technologies used in the backend are MongoDB and MySQL. These allow you to dynamically design your website. The car carrier consists of all classes of automobiles from luxurious to finances. In addition, this venture's utmost priority is fine.

To recognize this, vehicles are properly maintained and tested for turning in most suitable and uninterrupted performance. team of professionals inside the tour business permits this approach to style journeys that suits to all or any budgets and possibilities of the tourists. similarly, palms together with drivers and body employees are well educated to discharge their responsibilities with lots of efficiency. It is a web primarily based utility. It asks for the stripped-down personal facts. You need to pick the timeslot to journey, from and to locations and variety of man or woman touring.

1.1 Objective of Project

To design an application that will help the individuals to find accommodation according to their basic preferences.

Provide a platform where individuals can borrow basic goods like rooms, electrical appliances, tiffin services, vehicles etc. Providing a platform as a source of income to the individuals so that they can lend their goods that are of no longer in use. To transform the manual process of searching to a computerize system. To eliminate the paper based work. To save the time of both the tenant and landlord. To help people, especially students, to find budget friendly and silent environment.

1.2 Problem Statement

The general problem for the individual is to find the amenities according to their needs. Difficult to locate a place that would suit their basic preferences. Difficult to take out time from the busy schedule. The management of the goods is difficult if a person is been shifted from its current location.

There is no need to travel and visit different locations in search of rental rooms. This will be a one minute job.

2. PROPOSED SYSTEM

Our proposed system supply all of the features supplied by the traditional existing structures, but in preference to operating best with non-spatial database, the device additionally works with spatial data. The gadget can have the following distinguished features: Specification primarily based searching: this selection affords the associated facts to the customers in keeping with the specification they have furnished to the website. For e.g., if a person is searching out a house with 1bhk at 9 lakhs, then simplest those houses which satisfy the aforementioned demand can be back to the user. Agent Notification as soon as the consumer is focused in a specific asset and clicks the "verify" button a mail kind message would automatically be sent to the agent who manages the corresponding area, informing agent approximately the user's call, his contact variety and e mail address. adding property and vehicles on the market A consumer can add his belongings that he's inclined to rent in order that it could be viewed through other potential customers targeted in comparable assets. For this cause the purchaser is supposed to go into not best the location but additionally photographs and the price at which he is willing to sale that property. Notifying involved users every time a brand-new stuff is delivered, then a mail kind notification is automatically sent to all those clients who have been interested or had been looking for a close to belongings. Thereby notifying those users about the supply of that property and vehicle. Allowing users to put exciting property and vehicle in cart. The cart is an brought database benefit to the users. The users might receive the feature of adding gripping residences right into a cart earlier than creating a final selection. this would help the user to disparity exciting assets unearths and as a consequence help in final selection making. imparting consumer with map based seek once a selected area is chosen the consumer can benefit wanted related data on the premise of geographical elements. On every occasion searching is executed for a brand new residence, the primary recognition is on the location and for these occasions we also needs vehicles. As location being a spatial entity, we're using the benefits given by using spatial databases for our software. The utility offers the consumer to choose any particular place and get information correctly.

3. LITERATURE SURVEY

D. Kesrarat, S. Songcharoenkit, P. Nanthapornpisut has evolved accurate Matching for lease-a-car in2017. The goal of writing is to expand applications that permit customers to determine on the vehicle regular with their desires and to procedure the apartment of vehicles each bike and vehicles. the event method used is that the water method that consists of conversation, planning, modelling, construction, deployment. The effects are evaluated with 8 golden rules of

interface style and also the effects of the shape display that the equipment can be utilized by customers and providers to create the approach of rental and renting a vehicle. It definitely become concluded that this utility may be used well and may perform the approach of condo and renting cars for motors and motorbikes. As a student that live far from home and don't get hostel, they have to locate a nearby residence to rent. house rental which can be nearby to the university are usually end up scholar desire. The scholar who wants to rent a house will hardly ever find a appropriate with them. The owner generally no longer advertises their house as they simply unfold the residence to the resident mouth to mouth. The student must ask the resident around to find rent residence and it's going to takes so much time. The motive of this application is to assist the student to locate lease residence without problems. This application will show nearby residence to lease and make evaluation to help the student in making their choice.

In the paper [1] Sahreen Afzal et. al This will include Baseline Study Methodology and Software Design Methodology. 1. Baseline Study Methodology: Landlords will upload the data regarding their property and the tenants can check the available rooms according to their comfort. Structured Query Language (SQL) and PHP will be used to collect data and store in databases. 2. Software Study Methodology: The software/website will be developed for common users by using web designing languages like html, CSS, bootstrap etc. It consists of 3 parts: Client Web Server Database Server.

In the paper [2] Amey Thakur et. al Create a web-based system that allows consumers to register and reserve automobiles online while also allowing the firm to manage its car rental business efficiently. To make the process of renting an automobile easier for consumers. The project's goal is to automate vehicle rental and reservation so that clients don't have to waste time calling and waiting for a vehicle. To convert the manual car rental procedure into a digital method. A customer satisfaction test was used to validate the rental automobile system. As a system development reference, create documents such as Software Requirement Specification (SRS) and Software Design Description.

In the paper [3] M. Nireesha et. al They continually strive to provide the best possible marketing, administration, training, and operational systems through the synergy of our team to ensure the profitable operation of the franchises. Rental Home Appliances Management System provided in the application with various items.

In the paper [4] Harsha Chavan et al to save the time and effort from the hectic schedules of individuals, an android application has developed namely 'On Rent,' which provides different services on a single platform. This platform equips the user to borrow and lend equipment like books and electrical appliances on rent. It also facilitates users to take accommodation on rent according to their needs.

3. SYSTEM DIAGRAM

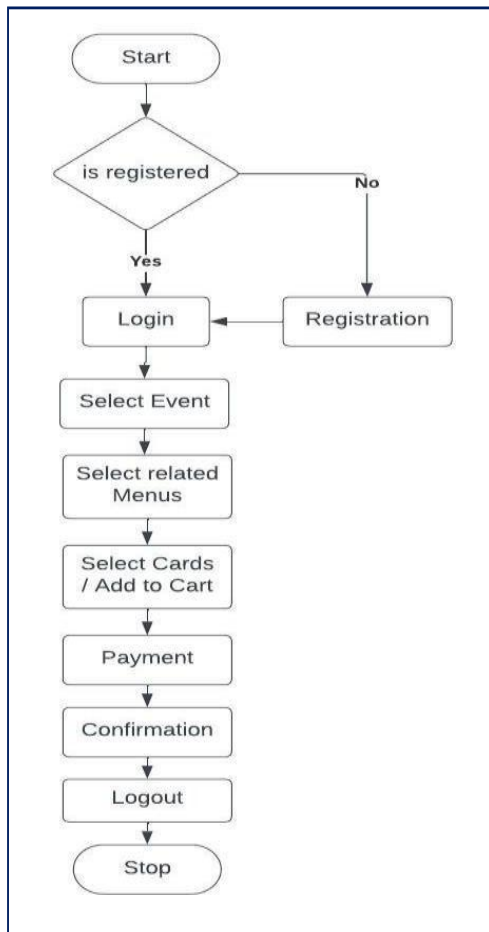


Fig. 2.1 Flow of Project

REFERENCES

- [1] ONLINE RENTAL HOUSING Sahreen Afzal, Toiba Rouf, Sumaiya Qadir , Sahila Shah Volume 8, Issue 11, JETIR November 2021.
- [2] Car Rental System , Amey Thakur ,Department of Computer Engineering, University of Mumbai, Volume 9 Issue VII July 2021
- [3] HOME APPLIANCES FOR RENT M.NIREESHA , P.SRINIVASA REDDY, Volume 7, Issue 5, May 2020.
- [4] On Rent- An Android Mobile Application Harsha Chavhan, Sheifali Gupta,
Deepali Gupta and Vishal Verma Volume 16, 2019
- [5] LeKeDe: Online Rental System Amika Mehta, Vedant Patil, Apurva Shinde
Vol. 8 Issue 10, October-2019
- [6] Tiffin Services Application and Live Tracking, RiteshNimje, Aparna Gurjar Volume, 09 Issue, 7 March- 2018

3. CONCLUSION

Technology introduces new inventions every day, thus reducing the time required to make things. The proposed system can be used to reduce the time required to find needed rooms, vehicles on rent in nearby locations. This program uses and collects both users and vendors information for easy access. So, in this project user find room, vehicles, near him and follow the details of product through the web app and fulfil their needs. The web application provides a way of communication and syncing between user and vendor. It also provides them with a place to contact nearby vendors in emergencies. The proposed system uses Google Maps which gives the user an effective way to locate nearby vendors. This proposed Rental System service program provides a reliable platform for both users and vendors. This program is a web-based application that helps reduce personal errors and issues related to the need for data. As vendor data is stored in the system admin can reject those whose details are not proper. Since we have a vendor contact number, we can contact the vendor whenever needed.