

HOME APPLIANCE RENTAL APPLICATION

Ramesh Krishna.M^{#1}, 'Usha.P^{*2}

*^{#1,2}Department of Computer Science, Dr N.G.P Arts and Science College
Coimbatore-641048, Tamil Nadu, India*

ABSTRACT—The purpose of this project is to provide a platform for users and rental products owners in an effective and efficient manner. Huuro is a one stop rental portal. It provides services such as Hiring “Electronic and Furniture” items such as Television, Washing Machine, Air Conditioner, Refrigerator, Inverter, Dining Table, Microwave Oven, Clothes Dryer, Vacuum Cleaner, Computers, Electric Water Heater Tank, Armoire, Dining Table, Garden Bench, Bean Bag Chair etc. This portal will act as a mediator between users and owners. The rental system provides complete functionality of listing and booking of products. For example, If a customer wants a bean bag chair for a month he won't be able to purchase the products for an hour and that will cause wastage of money, so at that time the rental system plays an important role. It provides the facility to order online and get everything done.

Keywords—Online rental system, Rental products, Hurro, Customer.

1. INTRODUCTION

The purpose of this project is to provide a platform for users and rental product(s)owners in an effective and efficient manner. Online Renting System is a one stop rental portal. It provides services such as Hiring Motor Vehicles, Service Apartments, Hotels, Guest Houses, Meeting & Conference Halls, Audio visuals, Party rentals, Computers and Other Products. It provides the facility to make online orders and get everything done before you reach the destination. This web application would be implementable irrespective of the location. Instead of providing products from only one rental show room the application is acting as interface between different users (borrowers and lenders). There is no restriction of rental showrooms for our website. Means any rental showroom owners want to display their products on our site then they simply register in our site by providing personal information and product description(s). This web application is providing some additional features for vendors to edit or delete their products. Customers got to register with our site as they search and place orders in our site. We are responsible for communication between customer and the vendor and maintain the database. It also provides an extra module that accepts feedback from the customers. The application provides an extra feature that is “Relocation Services”..

Nowadays, people are using the internet as one of the basic needs. Online is the new big thing. Everything from a small pin to large home furnishings items are available online for the transaction. People are having easy to buy everything

they want. Buying things online is beneficial in so many ways. First of all it saves time, it is convenient. Shopping online gives you freedom to shop from anywhere throughout the country. All the brands are available, no location barriers, various options. The main idea for this paper is to give such a platform for the seller where they will put up their shops and deal with customers according to themselves. The website or the framework provider will act even as a platform for customers to act with the shopkeepers.

2. RENTAL SYSTEM

A rental system is that the system that rents assets for a short period of time, generally renting from a few hours to a few weeks and primarily located busy city areas and often complimented by a web side allowing online services. Rental system is where a fixed number of heterogeneous users rent one product at a time from a set of reusable products. The rental durations of each user are independent and identically distributed with finite meanings. The study of transient behaviour in this system following the introduction of a new product that is desired by all the users. They represent the usage process for the new product in terms of an empirical distribution. The main idea is to give such a platform for the vendor where they will put up their shops and affect customers according to themselves. The website or the framework provider will act even as a platform for customers to act with the shopkeepers. Understanding shifts in consumer behaviour gives insights into the demands of the market.

Knowing these things enables marketers to drop certain products or make strategic changes in pricing that will end in big gains or, at the very least, limit damage to profits.

3. GPS

A GPS tracking unit is a navigation device, normally carried by a moving vehicle or person, that uses the Global Positioning System (GPS); to track the device's movements and determine its location. The recorded location data can either be stored within the tracking unit or transmitted to an Internet-connected device using the cellular (GPRS or SMS), radio, or satellite modem embedded within the unit. This allows the asset's location to be displayed against a map backdrop either in real time or when analysing the track later, using GPS tracking software. Data tracking software is available for smartphones with GPS capability.

4. SYSTEM ANALYSIS

Systems analysis deals with collecting the data from the customer, understand the process that is involved, finding the problems and recommending the optimal solution to the problem that is being found this involves studying the business processes, collecting functional data, understand the information flow, finding out risk and evolving solutions for overcoming the failure of the system so on achieve the organizational goals.

4.1 EXISTING SYSTEM

If anybody want to rent a product from a particular city from their house, how it is possible? If one person goes to a different city, but if he wants products for rent before he reaches his destination, then how is it possible? So the answer to these questions is our website. There are many rental systems which are available online. But, they are not providing all products at one place. Also many of them restricted to just one city. That means hire car system in online deals only with cars. Also many of them are not providing effective communication between customer and the vendor. Also present rental systems restricted to only one vendor means products are supplied only from one rental showroom.

- A. They are limited to only one product and limited cities.
- B. No effective communication between user and the vendor.
- C. Products limited to only one rental showroom.
- D. Cost of renting home appliance using local vendors is very high .

4.2 PROPOSED SYSTEM:

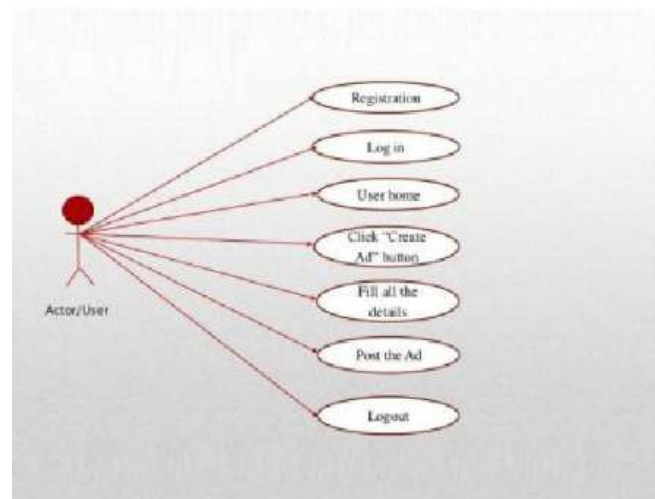
The proposed system may be a web based system which may be accessed by customers from anywhere round the world. The system offers variety of products from vendor indifferent locations. A vendor directly registers into this technique using this technique interface with none manual approach. The proposed system can accept any sort of product for rental, this system interface support to the vendors to upload their product image into the system. A customer directly interacts with this product image and gets necessary information regarding the rental products. The proposed system accepts a web request from the purchasers to order any rental system product for his own purpose. Administration plays an important role here. Administrator can communicate the reservation information of any product thereto particular vendor using this technique.

- A. This software features a very user friendly interface. Thus the users will feel very easy to figure thereon.

- B. By using this technique admin can manage their rental, payment, employment issues and other issues like insurance.

- C. It is a 1 stop rental portal across multiple cities.

- D. Here user can directly interact through our system or application and therefore the user book a product through online so it'll takes less time.



5. CONCLUSION

The "HOME APPLIANCE RENTAL APPLICATION" has been developed to satisfy all proposed requirements. The system is very scalable and user friendly. most the system objectives are met. The system has been tested under all criteria. The system minimizes the matter arising within the existing manual system and it eliminates the human errors to zero level. The software executes successfully by fulfilling the objectives of the project. Further extensions to the present system are often made required with minor modifications. The invention are often implemented in digital electronic circuitry, or in hardware.

REFERENCES

1. Junaid Ahmed Kirmani, Aasif Yousuf, Shahid Mohiudin Bhat,"Housing Rental Management System",july 2017, International Journal Of Computer Science And Mobile Computing.(IJCSMC)
2. Amey S. Dodal, AbhijeetKumar, DharmendraLodha, PrakashKharat, "Bike Sharing And Rental System",October 2015,International Journal for Research in Applied Science & Engineering Technology (IJRASET)
3. M.krishna sai,N ajith chowdary ,S.mohith kumar,"Bicycle Sharing System",oct 2018,International Research Journal of Engineering and Technology (IRJET)
4. Krunal Bagaitkar, khoshant lande,"Tractor Hiring Application For Farmers",march-2019,International Research Journal of Engineering and Technology (IRJET)

5. T. Prince, M. Jenifer, Axumawit H, Betelhem H, Firkremariam G, Hana S, Saba W, "Design of Car Rental Management System for Organization", November-2016, International Journal of Engineering Trends and Technology (IJETT).