Rent All Application

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Abstract - In today's era of development, people are more industry-oriented and therefore are migrating to different cities for their jobs as per their requirements. There are a variety of services or say almost all that are accessible and available at fingertips and doorstep, which benefits the user and saves the precious time of users. A rental service is much more convenient than bearing the cost of owning and maintaining the product. The user or customer need not travel physically at various stores in search of renting the needed product. In this paper we introduce an application – RENTALL, which provides services like renting out day-to-day products like furniture, books, car, clothes, accessories, fitness gadgets, mechatronics etc. Its aim is to rent out products for duration ranging from an hour to a week or a month. There will be further more additions in the application and will remain under progress. The rental service will be of much benefit to the migrants who move to a different city for job or study purpose. They will not have to buy the new products if renting is an option.

*Key Words***:** web development , html, CSS, JavaScript, react js, web app

1.INTRODUCTION

Traditionally, when someone is in need of a product in his/her daily routine , he/he will look for buying the product newly , which would charge him/her the full cost of that product. However , it would be better if he/she gets that particular product at lower cost , so that both the factors are satsified , that is the need is fullfilled and also availed at a cheaper cost. The problem that arises here is what if the customer requires that particular product for minimal usage or lets just say one time use only. Will it be worth spending even half of its cost to avail that product?

Well no.There's a proper alternative available to it and that would be renting a Product . RENT ALL provides an online platform as a web application to rent certain products online.

2. PREVIOUS RESEARCH

Here are a few academic journals that have published articles related to rent applications:

- **Journal of Real Estate Research -** This peer-reviewed journal covers a wide range of topics related to real estate, including rental markets and technology. Some recent articles related to rent applications include "The Impact of Technology on the Rental Housing Market" and "Evaluating the Effectiveness of Mobile Applications for Rental Housing Searches."

- **Journal of Property Management** - This journal focuses on property management and real estate issues, including rental housing. Recent articles related to rent applications include "How Renters Use Mobile Devices to Find Apartments" and "Online Rent Payment: A Case Study of Tenant Adoption."

- **Journal of Housing Economics** - This journal covers a range of topics related to housing markets, including rental markets and technology. Recent articles related to rent applications include "The Impact of Online Listings on Rental Prices" and "Mobile Technologies and the Rental Housing Market."

- **International Journal of Housing Markets and Analysis** - This journal focuses on housing markets and analysis, including rental markets and technology. Recent articles related to rent applications include "E-Commerce and the Rental Market: An Exploratory Study" and "Digital Disruption in the Residential Property Market: An Empirical Study of Tenant Preferences."

- **Journal of Urban Technology -** This journal focuses on the intersection of technology and urban issues, including housing markets. Recent articles related to rent applications include "The Rise of PropTech and Its Implications for the Urban Rental Housing Market" and "The Digitalization of the Rental Housing Market: Opportunities and Challenges for Low-Income Renters."

2.2 *E-HOUSING MANAGEMENT SYSTEM* / JETIR| Volume   5   Issue   10 October-2018 | ISSN: 2349-5162

Rental house management has become important factor in modern society, hence the need to have a rental house management system. If you are a stranger in some city and want to rent house, then it is difficult to find suitable house in time. This is the main motivation behind Online House Rental Management System project development. An online web portal to manage the rental property, facilitate tenants to view all listed property, search for their need using key words such as property type, location etc. Landlords need to have provision to post /update their property details with admin approval. Besides they require feature that would enable the tenant to view the complete details of the property, shortlist their preferred and register to book for a site visit. Member registration form and inquiry form to contact the admin for marketing are required in the website. Registered members must be provision to book for a site visit, view their recently viewed, site visits as well as reviewed sites in their member account. [2] Property owners are allowed to post their properties to the portal and manage the properties, agreements, their allocated tenants with on /off reminder that facilities for the agreement expiry / due on date. The technologies that will be used in the front end are html, css, bootstrap, javaScript. These technologies allow making the website responsive. It means that the website will operate easily on all devices. There is no requirement for a particular display of fixed size. The technologies that will be used in the back end are Php and Mysql. These allow making the website dynamic. They allow creating forms which will collect particular information from the user and store in the database

2.3 *LEKEDE: ONLINE RENTAL SYSTEM*| IJERT| VOLUME 08, ISSUE 10 (OCTOBER 2019) | ISSN (Online) : 2278-0181

LeKeDe is an application which is based on very simple ideology, we as humans tend to believe more on what we see rather than what is told to us. This is the same ideology used here, this application has two main characters the seller and the buyer, these are two individuals located at different locations who dont know each other, and it provides a common platform for them the seller and buyer to interact. The seller can put up any product on rent, the buyer will view the product, its specifications and will then contact the seller for further information. LeKeDe allows creation of a unique account for every individual buyer and seller, the buyer can directly contact the seller through email or over a phone call or meet in person.

The need for such an application has become very crucial, time value of money is a concept greatly accepted by majority of the target audience, and money received in the present time is worth more than the same amount received in the future due do the potential earning capacity, wherein money can earn interest. In the evolving market where we are fascinated with brands and tag names we too need to consider the price tags that come with it, the buzzwords like Digitalization, Online Marketing, Sale, Discounts, Trends have completely taken over the market, we wish to have the best of all but going on buying things and stocking them up as One Time Use products or show pieces isnt viable instead we rent out.

Renting is like a win-win situation for both the buyer and seller, products which arent used much but can still be beneficial to another individual must be rented out, in this way the products will act as an investment for the seller and the buyer too gets to switch his tastes and the major problems like time, space and money have been solved efficiently. LeKeDe is a mobile based android application with which easy monitoring and renting tasks can be performed in an efficient and centralized manner.[3]

2.4 *SCIENTIFIC RESEARCH* | Journal of Software Engineering and Applications > Vol.14 No.7, July 2021

The house rental issue is one of the elemental parts of society. Nowadays, it is extremely difficult to find suitable accommodation in city areas if people search for it physically. On the other hand, the land owner also needs to rent the house. It can be difficult to find tenants just to hang a lease sign on a building, and as a result, they lose money. An online common platform can play a vital role in this case. The purpose of the study is to develop a common web-based online platform for both tenants and house owners so that both tenants and landowners will mutually benefit from the system. [4]This paper presents the development of web applications for the people of Bangladesh where both house owners and tenants can register and tenants can have houses for rent via sophisticated contact with the house owner. In this paper, a common online-based smart house rental web application has been developed both for tenants and for house owners. This web application is very user-friendly, efficient and it has got many unique features that are not offered by other currently available house rental websites here in Bangladesh. Tenants can register using their phone number, store information about their identity, search for available houses, send messages to house owners, and choose a suitable house using developed web applications. House owners can also register for the system, which will manually verify and authenticate the knowledge provided by the house owner can view a tenant's information history whenever a tenant makes contact through text and supply house-related information accordingly. The proposed online smart house system has been tested and validated. It works very efficiently with many features. The application provided faster and improved opportunities to get houses, as well as ensuring the availability of houses for rent in the greatest

number of areas. The system will help to spread trustworthy services nationwide and supply users with the chance to speak and improve the house rent in Bangladesh. Because it has many smart features, this developed online smart house rental web application will make it very easy for tenants to find a house to rent. House owners, on the other hand, can easily rent out their properties.

2.5 INTERNATIONAL JOURNAL OF SCIENTIFIC AND RESEARCH PUBLICATIONS

Housing has a central importance to quality of life with considerable economic, social, cultural and personal significance. Though a country"s national prosperity is usually measured in economic terms, increasing wealth is of diminished value unless all can share its benefits and if the growing wealth is not used to redress growing social deficiencies, one of which is housing (Erguden, 2001). Housing plays a huge role in revitalizing economic growth in any country, with shelter being among key indicators of development. The universal declaration of human rights gives one of the basic human rights as the right to a decent standard of living, central to which is the access to adequate housing (United Nations, The Human Rights-article 25, 1948). Housing as a basic human right demands that urban dwellers should have access to a decent housing, defined as one that provides a foundation for rather than being a barrier to good physical and mental health, personal development and fulfillment of life objectives (Seedhouse, 1986). The focus of this research project is basically managing housing for low income, medium and high incomes households or what is commonly known as affordable housing. „Affordable" is a term used to describe individuals" capability to pay for certain products or services because their income is enough to do so. Although the term „affordable housing" is often applied to rental housing; that is within the financial means of those in the lower income ranges of a geographical area, the concept is applicable to both middle- and high-income individuals.

3. PROBLEM STATEMENT

Nowadays people are migrating from rural to urban areas or even urban areas to some metropolitian areas for job and higher study purposes. These job seekers and students or any individual who is new in the city need certain amenities in his/her day-to-day life which might be unaffordable for him/her to buy. The general problem faced here is if he/she purchases that entity (lets say a refrigerator) :

a. He/she will be charged completely as the product is new.
b. Also the person does not need it forever , but only for a limited time interval , till the date he/she resides there in that city.

4. OBJECTIVE

Following are the objectives of Rent-All:

a. One of the major benefits of renting versus owning is that renters do not have to pay the taxes associated with the product.
b. To design a web application that will help the individuals to find products at rent according to their needs.
c. Provide a platform where individuals can search for the products they require to rent.

5. PROPOSED SOLUTION

There are basically three different modules in the RentALL Application :Admin Module, Customer Module and the Delivery Boy Module .These are then divided into various sub modules as listed below(shown in Fig 1,2 and 3) :

ADMIN MODULE

This aspect of the appliaction will only be accessible by the Admin and will include the following Sub modules:

Dashboard

In the very beginning, there will be a dashboard which is categorised into 4 sections namely **Accepted Products, Queued Products, Pending invoices, and Assigned invoices.**

a) Pending Products
b) Accepted Products
c) Pending Invoices
d) Assigned Invoices

CUSTOMER MODULE

This section is for the customers to save add remove the products they view .

Add Product

To add a product the customer will have to provide certain details such as the Type of Product, Name of the product, Product Description, etc.

Your Products

The products added by the customer can be viewed here .

All Products

A wide range of products can be viewed by the customer and the customer can opt by his/her choice.

Saved Invoices

Invoices are saved.

Order Tracking

Customers can track their order history from here

Favourites

Customer can mark the product as favourites for later use.

DELIVERY BOY MODULE

Deliveries

This will consist of the details such as Product type, renter details and the product owner details.

Profile

This will consist of the profile details of the delivery boys.

6. FLOWDIAGRAMS REPRESENTING METHODOLOGY

Flow diagrams provides a visual representation of basic flowchart symbols and their proposed use in professional workflow diagram, standard process flow diagram and communicating the structure of a well-developed web site, as well as their correlation in developing on-line instructional projects. The flow diagrams for Rent All modules are as follows:
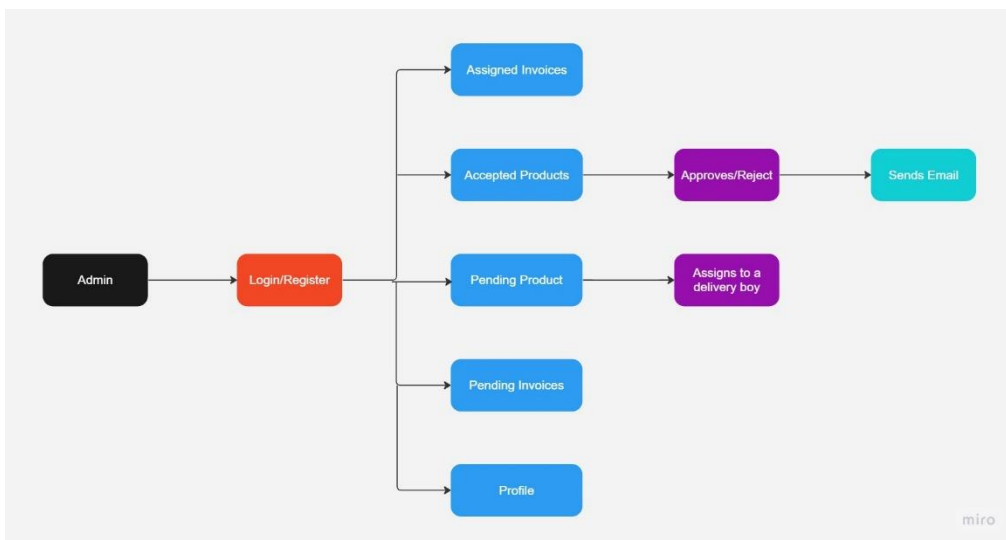
Fig-1: Admin Module

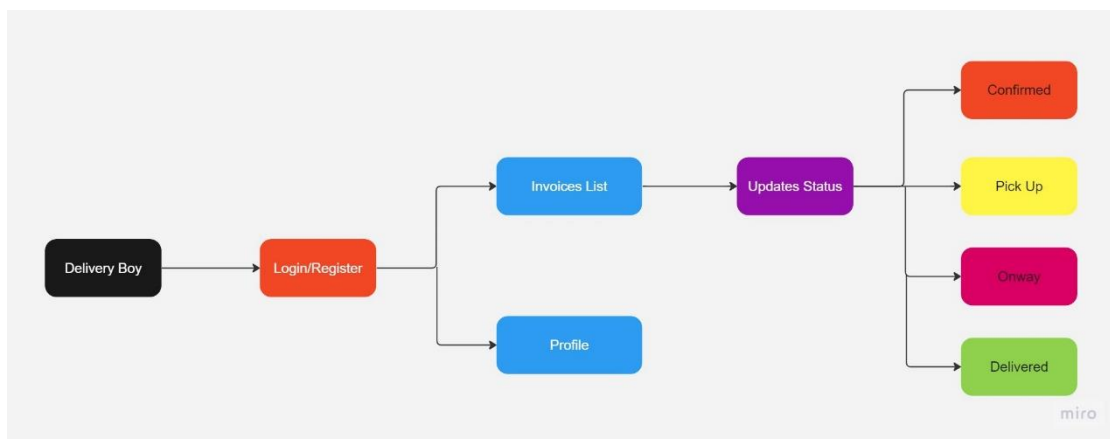**Fig-2: Customer Module**

Fig-3: Delivery Boy Module

7. CONCLUSION

Rent-All is a Web based Application, which provides an ease, which provides an ease to people by providing them basic essentials on rent. They can find certain different products on rent for a day or month depending upon the needs without visiting place to place just by surfing over one platform.

With web-based rental management information system, hassle free renting can be provided. There is efficiency in paper procurement for charging the product. The data of all the products is stored in a centralized manner and the costs can be controlled and monitored by the operational manager and owner thus avoiding the over-budgeting. Data storage which is already computerized will ease the process for companies and the users for performing preprocessing, recognizing the buying patterns and maintaining the integrity of the data and use this information to a personal benefit. Through this application we are trying to promote renting out products used on a daily basis instead of buying and discarding them. Our application is user-friendly, open source and is Free to use. It positively impacts the environmental situation by using fewer products more number of times. Hiring products provides a simple way of collecting useful information to measure this service. Concentrating on customer satisfaction and the four dimensions,

Reliability, Responsiveness, Flexibility and Quality helps us to serve the users in a better manner and thus give us a competitive edge over the others.

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