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Web Based Renting Systems

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ABSTRACT: This research paper aims to develop online trading and rental system. It's an online marketplace where anyone can buy, sell or rent bikes, cars, equipment, etc. when needed. It can also help user to give their personal items on rent which will give them an extra bit of income. They can also sell, buy, and rent out their items to others using the system. This system has a website interface..

KEYWORDS: Buy, Sell, rent, service.

I.INTRODUCTION

In a world full of expenses no one would love to spend on their vehicles and types of equipment they use. But the cost required these days to buy these things is too high. This can be reduced by renting necessary equipment instead of buying and maintaining them. User can rent the less used things and avoid the cost required to purchase them. Renting would give a family the financial stability. Renting can also become the source of income for many people. This would increase the opportunities for owners to gain some profit from the things they own and are interested to rent. An opportunity for the ones who cannot afford to buy new items directly. Also, a dedicated platform for the business which is dependent on the selling of things. These days market do have such platform for the same purpose. But every platform is limited to some extent. These platforms just focus on the thing either the car or bike. Our proposed system makes all things available on a single platform. This single platform would provide the all services at one go. Main motive is to make multiple aspects available for renting at a single platform and create the business opportunities.

II. MOTIVATION

The main motivation behind this paper is used to make all the renting aspects available at one single platform. Make the renting as a business opportunity to the people. The system that will make the availability of vehicles an easier job. The renting would reduce the cost required for buying the new vehicle. An opportunity for the middle-class families to avail the use of vehicles.

III. RELATED WORK

[1] **Development of Web and Mobile Application Based Online Buy, Sell and Rent Car System**: The objective of the system is to make daily life easier and more effective with the blessings of technology. Firstly, a survey was conducted to know what information people want when buying a car. Then, those information boxes were added in the dedicated system so that the customers can easily find their desired cars through the system. The goal is to develop such a sustainable online Buy, Sell and Rental system that will be a real time problem solver both inside and outside of the Dhaka city. The system will be developed as a common platform for both buyers and sellers to trade their cars. The features will provide the opportunities to anyone who is familiar with the technologies like mobile phone or computer to Buy, Sell or Rent cars. This system will be a one stop solution for all the car related issues.

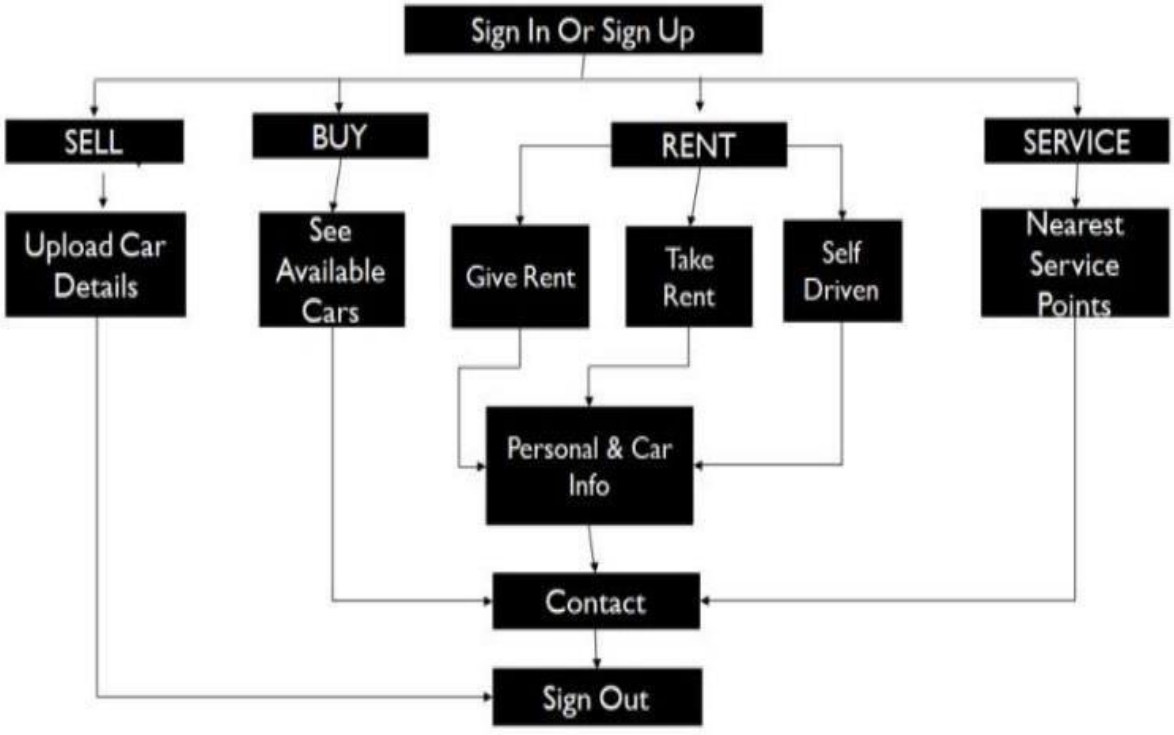
[2] V-Chain: A Blockchain-Based Car Lease Platform: The paper was made for introducing the smart contracts in the car lease platform. The paper mainly focused on the use of blockchain technology for maintaining the contracts and transactions. The system design relies on the implementation of smart contracts, which are programmable scripts to enforce transactional policies and also apply sanctions to defaulting participants on the network. This clearly monitors every transaction that occurs, as well as revoking access to violated rules and permissions on any transaction. The use of technology increased the transparency between the contracts. Smart contracts made the leasing terms and conditions easier. Use of blockchain restricts one from denying the terms. Basically, the use Smart Contracts made the leasing conditions easier.

[3] Car Rentals Knowledge and Customer Choice: This paper mainly focused on finding the choices of users while renting any vehicle. The paper used AHP to find the weightage of the types of the factors that users find while renting the vehicle. This helped them to understand the mentality of the market and work according to it. Some of the factors that users look up to are model of car, price, condition etc. They found out the essential factors that affect the leasing of the cars.

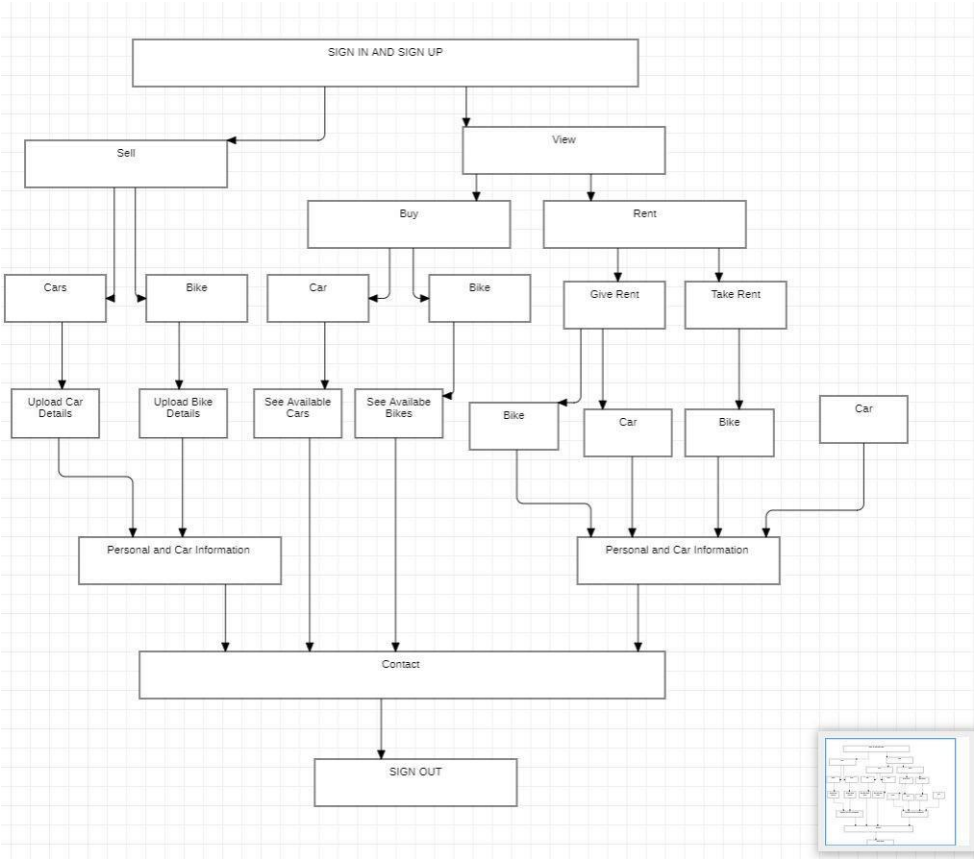
[4] Evolutionary algorithms for the Traveling Car Renter with Passengers: The paper mainly focused on the calculation of the fare of passenger in the shared vehicle. It can also be called as the generalization of Travelling Salesman Problem. The paper used a algorithm to find out the fare in the shared transport vehicle for different vehicles. The paper used different algorithms such as genetic algorithms, memetic algorithms in their paper. This allows a salesman to share the cost of full trip with other passengers rather paying it fully by own. The paper reported the results of an experiment with 30 instances, divided into Euclidean, non-Euclidean, symmetric and asymmetric. The computational experiments were performed in two stages to ensure the algorithms are compared properly and the obtained results were submitted to statistical analysis.

IV. EXISTING SYSTEM

This paper is all about transportation facilities. The objective of the system is to make daily life easier and more effective with the blessings of technology. This is a car related system that helps you to find new and used cars for sell, buy, rent near you and also guides you towards car maintenance facilities. The existing system focused on all aspects such as buying, renting, and selling. They focused on each aspect but for just one entity i.e. cars. They developed the mobile application and a web site for these operations.



V. SYSTEM ARCHITECTURE



The proposed system focused on the renting, buying and selling of the different commodities on a single platform. Applicant can rent all cars, bikes and bicycles on one go. To avail the services first applicant need to log in to portal according to users need. The work flow of the system is that first user login on platform. User can login as Buyer, Seller, and Renter as user needs. Then user perform necessary operation according to the need i.e. user see available cars for renting and busying or user see option for selling product. And then user contact the responsible person and avail the service. If user wants to sell the item on the platform, users need to choose the option sell on the devices. Then all user need to do is to enter all his details of the item. After addition of all the information of the product on the portal user can make it available for the selling purpose. The buyer will contact if the product is chosen and user can sell the product. If user want to rent product then user need to choose the option as the rent. There user will need to add all the information before renting out the product. If user want to rent out the product then user need to add all product details with its all specifications. And if user want to take product on rent user need to pay rent for it and submit identification details on the ISSN NO. Document submission is essential stage in the renting of vehicles. If user is buyer then user need to choose the Buy option on the given platform. User can buy any of the available product on the platform

VI. CONCLUSION AND FUTURE WORK

At the end proposed system made a complete platform which made all the services available at one place. User have common platform for various products like cars, bike, and bicycles. Applicant choose the option according to the need. This platform will ease the finding the vehicle available for renting as well as selling and buying. This will increase the business opportunity for the ones who own the luxurious vehicles or the ones who wants to earn by renting the products. At last user have a all-in-one Platform for Buying, Selling, and Renting.

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