IJARCCE

ISSN (Online) 2278-1021
ISSN (Print) 2319-5940

International Journal of Advanced Research in Computer and Communication Engineering

Vol. 9, Issue 3, March 2020

Online Market Place for Goods Transportation

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Abstract: Online service provider or the online bidding and auction becoming the most demanding tools these days worlds many companies are coming up with new product and services. Uber, Ola like companies are providing the cab services which may used by millions of users on daily basis for transportation. In few countries transportation service providers are giving online order accepting facilities, but not possible for all service provider. Yellow pages like services provides online dictionary for transportation service provider with limited information. Information about transportation vehicle type and experiences needs to be share with customer and also bidding options must be there for customers benefits. Proposed system is to design and develop an online transportation service provider bidding system where customer can post a job details to complete and service provider can bid for the job. System will automatically show best option or lowest option to customer where customer can allot work to specific service provider. System will help both service provider and the customer to get the job done. Customer can select right provider on the basis of experience, type of vehicle, budget and rating.

Keywords: Bidding, profiling, OTP

I. INTRODUCTION

There are many ways for freelancers, service providers, and those who need professional talent to connect. Connecting business owners to quality contractors is easier than ever. When potential gigs, freelancers, start-ups, single-operators and other independent contractors have not had such a great experience - they just need to turn to the Internet. Similarly, for business owners who need help with copywriting, graphic design, programming, IT, or other specialized services, it is easy to find them online for free. The job market for services independently provides a platform where individuals can be listed and businesses can post projects or browse for their needs. Each site functions slightly differently. Some sites offer free listings, while some are paid for. Some bid independently on projects; Others just play match-makers. Some contribute a percentage of the project value, while some work with flat rates. But all serve the same purpose: helping potential freelancers and clients connect.

An online auction (electronic auction or e-auction or e-auction or e-auction) is also an auction that is held on the Internet [1] [2] [3]. Online auctions are available in many forms, but the most popular are those climbing English auctions, landing Dutch auctions, first-price seals, selling auctions or sometimes even a combination of multiple auctions, with one component being fake with the other. The scope and reach of this auction has increased the Internet far beyond the expectations of early evidence. [4] This is mainly because online auctions break and overcome the physical constraints of traditional auctions such as geography, presence, time, space, and smaller target audience. [5] This recycling stream has facilitated illegal acts in the auction. Due to the rapid expansion of the popularity of electronic commerce, online auctions were estimated to account for 5% of all online e-commerce. Online auctions include Business to Business (B2B), Business to Consumer (B2C) and Consumer to Consumer (C2C) auctions. The largest online auction site is eBay, which was the first to support person-to-person transactions. Other popular examples of online auction sites include Webstore, online auction and overstock.

As online auctions increase the likelihood of auctioneering methods, new uses can be created for general auctions, as well as the number of goods and services that can be purchased using auction systems. In the current web environment, there are hundreds, if not thousands, of websites dedicated to online auction methods. However, online auctions on the website were not the first form of online auctions. In fact, online auctions were held before them via email and bulletin boards. The auctioneer / seller will post the notice on the system bulletin board, describe the item for sale, and set a minimum tender and closing time.

In 1980 CompuServe sponsored this auction through its classified advertising system. But 1979. During As, both Composer and The Source conducted their online auctions, which were in beta for the first half of that year. Such auctions were also conducted on public BBS soon after, back in 1978.

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II. LITERATURE REVIEW

Although RTB is very effective when compared to classical approaches, much can be done to improve the accuracy of display advertising. One of the major drawbacks of existing RTB systems is the use of bidding prices and current user profiles as primary features to display ads. However, in doing so the user does not always get the right ad and the same ad can be served to the same user multiple times, which frustrates him. To overcome this limitation, the authors [6] proposed research, an approach to deliver the right ads at the right time to the right user. The proposed methodology involves incorporating the idea of advisory systems into the RTB architecture. In particular, we create a two-level approach. The first level applies the item-based collaborative filtering technique, while the second level implements the factorization machine model. This allows it to capture and use information from other users (in particular, those who haveExisting user to increase the accuracy of the display user) It has been shown how these two levels reach your goal and validate your point of view through experimental studies.

Online auctions are becoming a platform for suspected sellers to opt into anonymous involvement in fraudulent behavior. Researchers are upbeat in trying to create a mechanism to combat auction fraud, but are often frustrated with the lack of auction data available. Such data is an invaluable tool for gaining insight into the testing of counterfeit features and proposed security measures. The reasons for the refusal to provide online auction data are often the reasons why online auctioneers disagree, citing "security and privacy". The author [7] introduced a software tool that can extract data from various online auction sources. The system is able to collect all the data for a given search criteria that have been completed at auction and will return later to collect the data once the auction is completed (without user intervention). Shares experience in system development processes and describes the challenges needed to successfully establish such a system. The data collected is used to analyze the behavior and bidding practices of sellers and buyers involved in online auctions. The work presented in this paper represents the first serious attempt to create a freely available software tool and to establish a repository of online auction data that would be free for use by other researchers.

Apart from researcher's publication work few existing system are studied out in the research work mentioned as below.

Blow Horn: Blowhorn is an intra-city logistics provider headquartered in Bengaluru, India. It was founded in 2014 and currently operates in Bengaluru, Chennai, Hyderabad, Delhi NCR and Mumbai. The company connects customers with mini-truck drivers for intra-city, sub two-ton deliveries via its website and mobile app. In March 2017, Blowhorn secured series A round funding of Rs 25 crore from IDG Ventures India and the Michael & Susan Dell Foundation.[8]

Black Buck: BlackBuck has been a pioneer in bringing the offline operations of trucking online, be it matching a shipper with a trucker or reshaping the infrastructure around trucking to facilitate payments, insurance, and financial services. We at BlackBuck are committed to making it easier for millions of truckers to book a load and move at capacity, and enable shippers of all sizes to have access to the right truck, at the right time for the right price – all at a click of a button.[9]

Moovo: Moovo is a technology based booking platform for mini-trucks. Being an online aggregator of mini-trucks, Moovo is currently simplifying the logistics services in Delhi-NCR. Whether an individual wants to move household items or do local shifting, or businesses moving inventories to and from their warehouses, or there is a logistic requirement for an e-commerce company, the website and app of Moovo provides a single stop solution by connecting users to trusted mini-truck drivers. [10]

III.PROPOSED WORK

Proposed system is one of the useful web portal in the transportation industries, this will connects transporters, truck-drivers, customers and other related entities across region with the objective of making the material transportation simpler, quicker and efficient by providing better vehicle at affordable rates.

Proposed system helps all people associated with the community achieve better profitability in their own business. Web portal developed keep in mind about best practices and business ethics for the benefit of transporter and customer community. It also help movement of the vehicle and material efficiently from one

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place to another at the quickest time possible by using technology. System first, allow the first-time users to register in web portal, and then provide transport related information to the registered users about the availability of the load and the vehicles in the city. Once the registrations are complete, system verify them for accuracy, list them in our portal, and then route the requirements to the appropriate registered parties through our fully functional web portal and notifications. During this process, system provide end-to-end support to the users. This effort ensures better utilization of the vehicle capacity and its effectiveness

This is a unified portal connecting Load Owners, Truck Brokers, Transport Companies, Truck Agents, Truck/Fleet Owners, Packers & Movers and Others for efficient movement of goods. Web portal is convenient and intends to simplify the movement of goods by providing numerous options and creating a transparent, reliable & time saving approach for transactions between consignors and transporters. System help businesses by posting their load online and receive multiple bids from numerous transporters. Businesses save time and money by using our huge transporter network. This platform facilitates load owners to book trucks online across India. Businesses can approach transport companies, truck owners as well as logistics providers on a single platform. System enables transporters to view multiple freight opportunities. It allows them to quote competitive truck fares to book a load. Transporter gets an opportunity to start a bidding war with other transporters to acquire a load. Transporters can work with numerous businesses across region and expand their trucking business. It has a user-friendly interface and system is dedicated to make each user's experience pleasant and beneficial. It's an online marketplace where the business owner and the transporter can work together in a transparent and a mutually beneficial environment.

IV. IMPLEMENTATION DETAILS

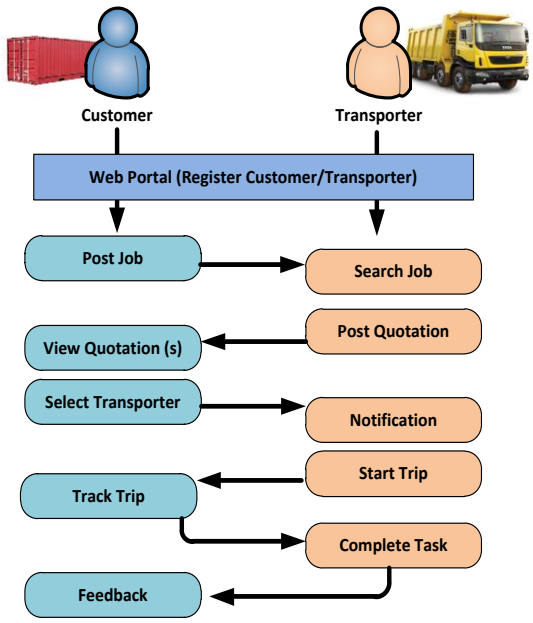

Fig. 1.0. System flow

Fig. 1.0 describes the over all system process flow. As per the process both customer and service provider or the transporter need to become a member of the portal by registering in to the system. This complete registration process is based on user verification using OTP based mobile number verification in order to access the service. Every member can post new job or work as a service provider as system allow user to register as a member and not as an individual service provider or customer only. First member needs to post a job related to transportation by filling the request form with details about transportation goods, time schedule and expected budget. Upon posting a job this newly added visible to all logged in user as a notification or list. After viewing if any service provider is willing to work on the task, user can post a quotation for the selected post with budget and remark. As multiple quotation received for particular post now customer can view all quotation and system will also help customer to select right service provider with the help of lowest rate and the rating of service provider.

Once the customer selects particular service provider, he will receive the notification and he can start the work. While the work is in progress customer can track the activity of the transport vehicle using the live geo position of the vehicle over Google map.

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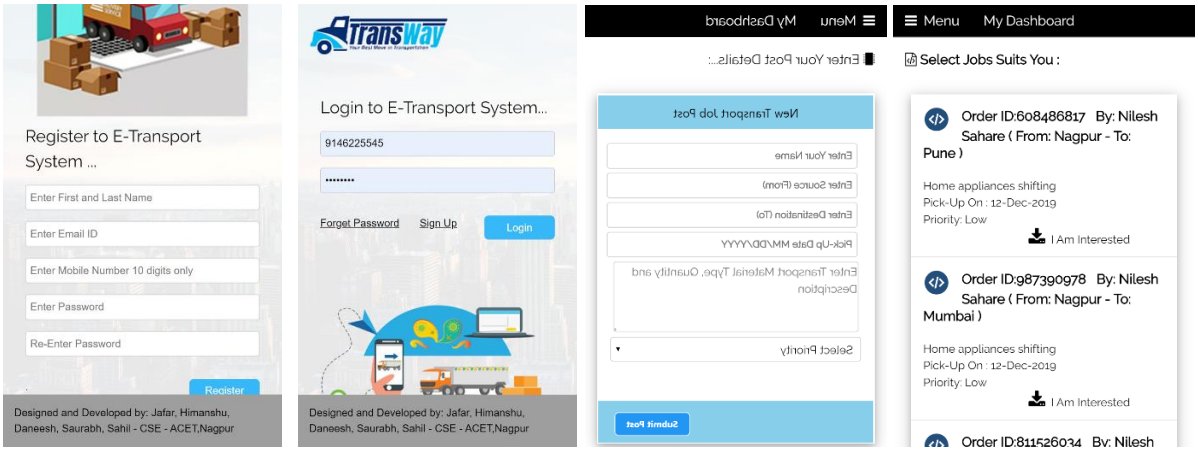

Fig. 2.0 Output screen. (a)Register User (b)Login (c)Post job (d)View jobs

Figure 2.0 describes the different process involve in the complete process from registration to viewing the jobs available.

V. CONCLUSION

The Smart Goods Transportation is the platform that will help the people to deliver their product form one place to another place. It save the consumer time, money and provide flexibility to the consumer, to select their desired vehicle for transportation. We have used scrum process model for the iterative development of our project and all the module have been successfully implemented. In future work, proposed system can be used at large scale for transportation of goods all over India. As per its future expansion in different modes of freight transportation like railways, airways to deliver large amount of goods at an reliable time. By implementing this system on an large scale work productivity as well time consumption rate can be low due to which freight can be delivered time to time

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