

E-Auction: A Web based Auctioning System

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Abstract— Internet converted static world into dynamic world. Each and every thing we can get by one click. Auction is a method which is used for buying and selling of goods. In past it was very tedious but now it becomes easier. Many people participated in this online bidding .Online Auction is based on B2B, B2C and C2C business model. We are providing facility of registration, adding products, bidding on product to vendor and customer. We will calculate emotion of customer based on bidding by Apriori algorithm. We are using PHP for developing web pages. MySQL is used for back-end designing.

Key words: E-Auction, Data Mining, E-Commerce, Association Rules

I. INTRODUCTION

Internet is growing dynamically in recent decade. E-auction is the implementation of existing auctioning system using internet. It overcomes the drawback of existing system. It reduces the travelling cost, time and paper work. This system is operated automatically. Because of that manual calculation get reduced. In existing system few people can participate but now this scenario is getting changed. Now people from worldwide can be participated. So every person gets opportunity to bid on product. eBay is one of the best example of online auctioning system.

This system can be developed by various technologies such as PHP, JavaScript and so on. PHP is scripting language and it is preferred in most of cases. Because

- 1) PHP is open source.
- 2) It is used to create interactive web pages.
- 3) It can be written in HTML.

MySQL is used for creating database in back-end. All relevant data regarding customers, vendors and products are stored in database. It also contains data regarding bidding process. It is used to find impact of emotion on individual's willingness to pay in e-auction.

II. REQUIREMENT ANALYSIS

In existing system, news of bidding product is announced in news media. Interested people have to visit respective venue and in respected time slot. This was very tedious and lengthy process. This process is now integrated in one platform so that every person can participate in bidding process from anywhere and in any time .It reduces various complex calculations and paper work. In existing system, customer has to wait there until overall bidding process is completed. But e-auction reduces this task to wait until process is completed. It will send e-mail or message to customers who win this bidding process. So customer can get result of this process without wasting time. This process is very simple, flexible and efficient. Major goals of this system are:

- It is user-friendly.
- Vendors and customers can easily access information

- The vendor has permission to add / edit products.
- Customer can view history of bidding and detail of products
- The customer has permission to delete bidding on particular product.

III. SYSTEM ANALYSIS

The major components of e-auction system are registration, login, view products, bid on product, add products, edit product and delete bid.

First customer and vendor should register themselves so that they can access information of product and bidding record. Vendor can add products for bidding. He should add atleast four images of product and description regarding product so that customer get complete idea about product. Administrator do verification whether information is correct or not .If information is correct then only it will display on website otherwise it will send message to vendor. Customer can bid on product. One customer can bid on many products. Each bid should be 5% more of earlier one. Customer can bid on product upto last date .If date is over then customer cannot bid on product. Winner will get e-mail after completing bidding process. We then find emotion of customer based on bidding. This can be done by Apriori algorithm. Bidding record stores all information regarding bidding of product.

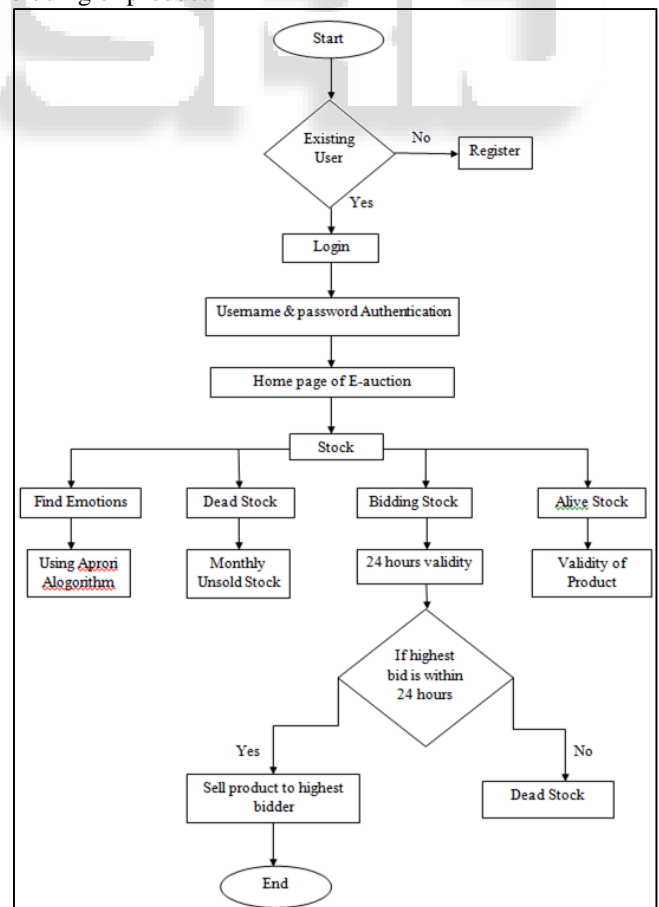


Fig. 1: System Flow Chart

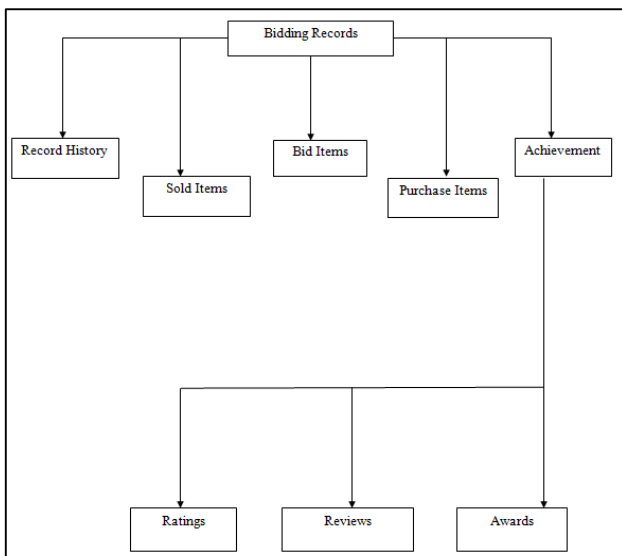


Fig. 2: Bidding Record

IV. ADVANTAGES

- 1) It provides paperless auctioning system.
- 2) It is accessible by every person at anywhere and at any time.
- 3) It saves time and money also.
- 4) It requires less computation.

V. CONCLUSION

E-auction is a modern way of auctioning system to enhance the participation of people world wild. People can bid and put their products for bidding by easy way. E-auction enhances the scope of the auctioning system by enhancing participation of people, reducing cost and paper work. Existing online system are lacks in some major areas such as auction ending rules etc so this project try to overcome with some of drawbacks of existing system. Main focus of this project is the finding the willingness of the users to bid on certain category of the product. By using Apriori algorithm it is possible to find the users willingness to pay for certain bid so by knowing this we can recommend the product to users in which user can willingly bid.

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