Research Challenges in Online Auction

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Abstract-An online auctionis an auction which is held over the internet. It is a popular method for buying and selling products and services. Online auction system helps to customer to sell and buy product in best price. It is developed with the objective of making the system reliable, Easier and fast. This application is used to sell anything on the website from house, The web based application is made as simply as surfing a website. Online auction however is a different business model where the items are sold through price bidding. Usually bidding has start price and ending time. Probable buyers in auction and the winner is the one who bids the items for maximum price.

Index Terms-Online auction, marketing information, internet based auction

1. INTRODUCTION

Secure net Auction Project, the main idea is to implement a web application for different category of goods from home. Auctions are one of the oldest procedures for bidding products but which need manual presents on the site for participating in bidding but with this applications user can bid from home using the simple online application. Users who are interested in selling their products through bidding can contact administrators and submit their product with basic bidding price. Admin will check the product with its details and if it satisfies all the rules and the regulations he will make the product online. In regular bidding method bidders will not share different bidder's information which is not capable method so in this online application we provide detail information of bidders and consider all security issue. The global price of online auction market places allows for the buyers and sellers to overcome geographical constraint and purchase products anytime from anywhere over the internet. The online auction market provides the consumer with the great advantages of low prices, greater product and greater efficiency compare to the usual, traditional online market choose the online auction system makes the use of decision making a assistance tool that results in greater buyer of certainly towards their choice of the sellers and the buyers. The product is sold to the highest bidder. The person who has offered the maximum bid at close of auction wins the right to purchase the item at that price.

2. LITERATURE SURVEY

The author [1] in the auction market the seller does not know how great demand is for the product; therefore he assembled the buyers to compete with one another to sell the product at the most enviable price. As a result, the best situation in which to use auctions is when there is no direct an objective standard for the value of the product. Traditionally, it is the seller who has to right to decide product price. Thus, price becomes increasingly flexible.

[2] Proposed that in the modern world the development of technology, auction mechanisms have more and more complex and efficient. Online auctions have gradually replace offline auctions as more and more people become able to visit their website .Online auctions has are characterized by their 24 hours availability and disregard for geography. Thus the opportunity for successful transaction is greater than in than traditional auctions. This commercial successfully aroused people.

[2] Now-a-days auctioning process has been became a competitive in the market. The auction can be done from anywhere in the world at anytime and anyone can auction the products in detailed [4]. In additional to singles item, it also consists of multi-item auctioning where n number of items is auctioned simultaneously. Along with traditional auction the internet auction has been more popular. For the internet auction there are various security conditions.

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3. METHODOLOGY

3.1. User

There are two types of users in Auction System. One is existing user and other is new user. Existing user can directly able to see the products of Auction System. But new user has to register first into the system and then user automatically goes to the login page. Then by the help of user ID and Pass word, user can login into the system. Registration information has been stored in database.

3.1.1. Seller

Seller want place where seller can sale their products at a higher price and get maximum profit out of that. The seller module includes different sellers who wish to sell their products. The seller needs to be permitted by administrator after a seller submits his registration. A seller can add or delete or modify information about different items.

3.1.2. Buyer

The people always wish for different things to purchase but in the local market they can have local products only but in this application buyer can purchase any product from any part of the world

At a very best competitive price and own the product. The buyer has to just provide their details and can participate in the bidding to acquire the product, which is for sale.

3.2. Admin

Admin is the important factor in the Auction System. The admin has the duty of adding categories related to the position of his/her business. Once categories are added, the product should be added and clubbed properly under each category. Admin should set the bidding price for each product accordingly. As the users register, the admin need to carefully manage each of them. The admin should handle the bidding packages of the users. The payment transaction log should be taken care of by the admin.

There are also some commonly handled tasks managed by the admin. While choosing a penny auction script, make sure the above criterion is present in it. Managing and setting the website, like the site's

name, description, themes, etc. The admin has to perform following tasks.
1) Auction Management
2) Lot Management
3) User Management
4) Data Export Management

In Auction management, admin has to follow featured auction, auction logo. Admin has to take care of description and introduction.

In lot management, as well as allowing sellers to upload lots to the site, you can manage the addition of lots in the admin component of the website. This means you can run the auction without allowing sellers to add lots directly if you wish; this is quite common in business to business auction sites.

User management is the important task of admin in auction system. The admin has to perform following tasks, Track who has placed the bid. Ban errant bidders from taking part of auction.

Verify user's name and address. Finally, admin has to manage data and keep that data safe.

3. Visitor

Visitor is nothing but all the people who visits the information of all the portal. They can know the information of all the products, which are for sale under this application. They can have the information.
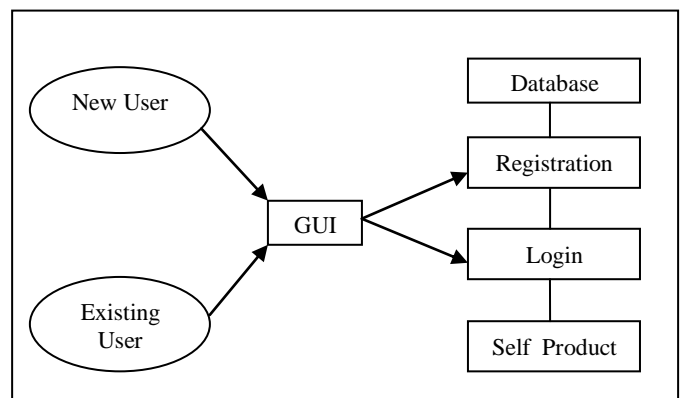
4. FIGURES
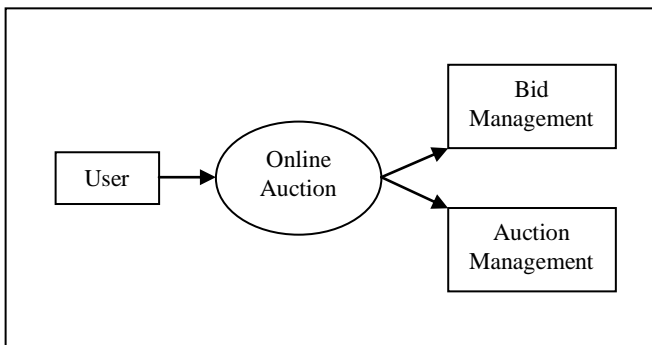

Fig. : User Data Flow Diagram
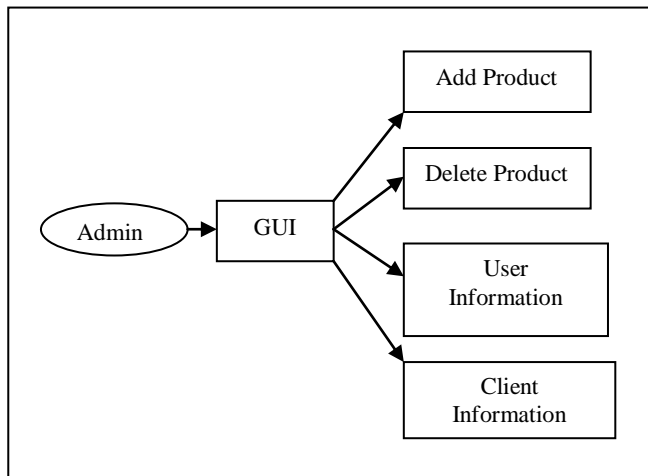
Fig. Online User Management Diagram

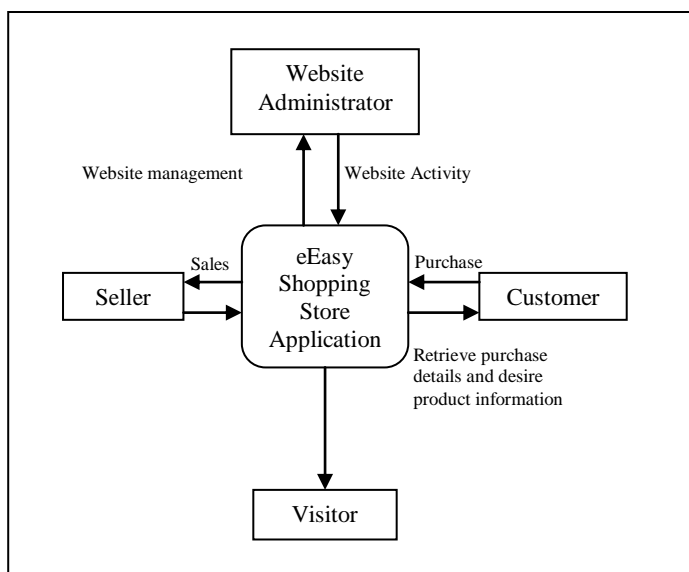**Fig. Admin Data Flow Diagram**

Fig. Online Auction System DFD

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