E- AUCTION PLAN USING CRYPTOGRAPHY

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Abstract: E-auction plan using cryptography is a web based application.This project will be done using ASP.Net as front end, and MY SQL as back end. Online auctions are among the most influential e-business applications. Despite efforts to set up marketplaces, online trading is still a relatively early stage. Very few companies have started their projects, trying to improve their buying and selling channels. The online auction program carries an online auction of various products on the website.

INTRODUCTION

It's a place for buyers and sellers to meet and sell anything. This system consist of a web portal where the registered users can propose new auctions,in this they can buy and place bids for auction items. By the internet the online auctions are held. It is a popular way of buying and selling products and services. The online auction systems helps the customer to sell and buy a product at a high price. To make the system reliable, easy and fast this was developed. To sell anything website from house this app is used.The application is made as simple as using a website.The existing system found many fraud schemes from the historical auction data using data mining techniques and other accomplices. One of the foremost currently fraud schemes is that the bidders are making false identity or accounts so as to extend the sale price. Currently there are two approaches mostly being implemented like policy-based and reputation-based trust management, which also lag certain security issues. The existing system is managed manually. Prior to each auction the day of auction, the (venue and the items on auction are announced through news media. Those who wish to require part within the auction need to reach the venue thereon day on time. This conventional method most of the days prevent aspiring bidders from participating within the bidding process. Another problem of the old system is to track each bidding process and to make it culminate in financial settlement. So the system has got to keep records of both buyers and sellers until the top of settlement. The process is extremely cumbersome and time consuming.

EXISTING SYSTEM

The existing system found many fraud schemes from the historical auction data using data mining techniques and other accomplices. One of the foremost currently fraud schemes is that the bidders are making false identity or accounts so as to extend the sale price. Currently there are two approaches mostly being implemented like policy-based and reputation-based trust management, which also lag certain security issues. The existing system is managed manually. Prior to each auction the day of auction, the (venue and therefore the items on auction are announced through journalism . Those who wish to require part within the auction need to reach the venue thereon day on time. This conventional method most of the days prevent aspiring bidders from participating within the bidding process. Another problem of the old system is to track each bidding process and to make it culminate in financial settlement. So the system has got to keep records of both buyers and sellers until the top of settlement. The process is extremely cumbersome and time consuming.

Disadvantages of Existing system:
•   Prolonged time :
A prolonged event or situation continues for an extended time, or for extended than expected. ... This rates interest low in a prolonged period.

•   Anonymous bidder :
When you keep your identity hidden when you do something, no one will know who did it.

•   Product genuineness :

Originality, quality commitment, and credibility, history and style persistence, scarcity, sacredness, and purity are all examples of product authenticity (Liao and Ma, 2009). In the context of this study, pesticide authenticity refers to the pesticides' dedication to quality and reputation....

•   Fake site :

To take advantage of their victims, scammers develop bogus bitcoin trading sites or fraudulent versions of official cryptocurrency wallets. These phoney sites feature domain names that are similar to actual sites but differ significantly, making it difficult for users to distinguish between them.

•   Fake Bid not identified:

There are two kinds of bidders:genuine (real),imposters (fake).

Fake bidders are people who attempt to register to bid but have no intention of winning or paying for products once the auction has ended.

PROPOSED SYSTEM

The need is to develop a system that gives maximum level of security as commodities are involved within the process. The system must give exclusive access to the buyers and sellers to put the product for auctioning and bidding. The registration of the users must be verified by a valid aadhar number which can be tracked in case of a fraudulent activity and also by a mobile OTP that is sent during the time of registration. The development of this new system contains the subsequent activities, which attempt to develop the web-application entire process keeping within the view of database integration approach.

•   This system will provide secure registration and profile management of the users.

Administrators would authorize the product to auction, set auction dates & minimum auction amount for that product.

Prior to each bid, the user's mobile number and aadhar card must be authenticated and aut/horized. Users can select their interested fields for bidding and periodic message alerts must be sent in case they have won an auction for a particular item/product.

Complete search/site map of the whole site for straightforward access.

•   Convenience :

The state of being readily available, simple to use, useful, or beneficial. The convenience of an elevator is appreciated by shoppers. personal convenience I was only thinking about myself. A sense of possibility please come as soon as possible.

•   Time & money saving :

Money is a commodity that is widely acknowledged as a means of economic exchange. It is the vehicle through which prices and values are communicated. It is the primary measure of wealth and circulates from person to person and country to country, promoting trade.Time-saving kitchen appliances are intended or serving to expedite anything

•   Time extension :

A time extension is when the length of time stated in a contract is increased, resulting in a revised contract completion date.

•   Compare prices :

Comparing the prices of the same goods in multiple stores is known as price comparison. Price comparisons with significant competitors are used to determine price levels. Price comparison websites can make finding the greatest price much easier. Comparing the prices of the same goods in multiple stores is known as price comparison.

MODULES :

LOGIN/REGISTRATION MODULE:

Those who wish to require part in Bidding or sell products at the location need to register at the location as customer. Only authenticated users can participate in selling or in bidding. In this module customer can register to the system by entering registration details. After the registration they will login to the system by entering unique login id and password.

LOGIN and REGISTRATION Module

BUYER MODULE:

In this module, the bidder will first see which product is been posted on the app which is to be auctioned. The bidder/buyer will see all the information about the product. If the bidder is interested to shop for that product then he can register for the auctioning and bid the quantity . At last, at the end of the auctioning the bidder will get to know the result. Last when the quantity of auction has been created the bidder will decide the amount which product to be auction. The bidder has got to auction within a time which is about by the vendor while creating auction that's one hour, day , etc.

Seller module :

In this module, the vendor will post themerchandise information during which he/she wants to sell or auction the merchandise through online. In this module the vendor can post the image of the merchandise by using capture image and every one therequired information about the merchandise like the merchandise name, its description and therefore the auction date and time at what the merchandise goes to be auctioned and eventually the stop time of the auction.

Admin module :

The admin can manage the users and view the information about each item on the system. If the item was sold or reached its ending time, it will be removed from the data-base.

PRODUCT LIST MODULE:

This collects the details like product name, product detail, product image, Start bid, Sale price, Bidding start date and end date.

CHAT MODULE :

If the customer has any queries regarding product they will directly contact with sellers. 24×7 online chat features available. If the seller is offline then the message stores under seller message box.

REPORT MODULE :

This module is for administrator to check sales report, product report, auction report, payment report, etc.

DASHBOARD MODULE :

This dashboard module is for administrator and employees. Admin has full authority of the web site and employee has limited authority.

What is online auction :

❖   An implementation of web auction with it's own design and bid politics.
❖   Have an intuitive interface and unique visual objects
❖   Common client operations were implemented during this application. additionally , there have been used some original marketing solutions.

Type of auction :
❖   One seller & one buyer
❖   One seller & many buyers
❖   Many sellers & one buyer
❖   Many sellers & many buyers
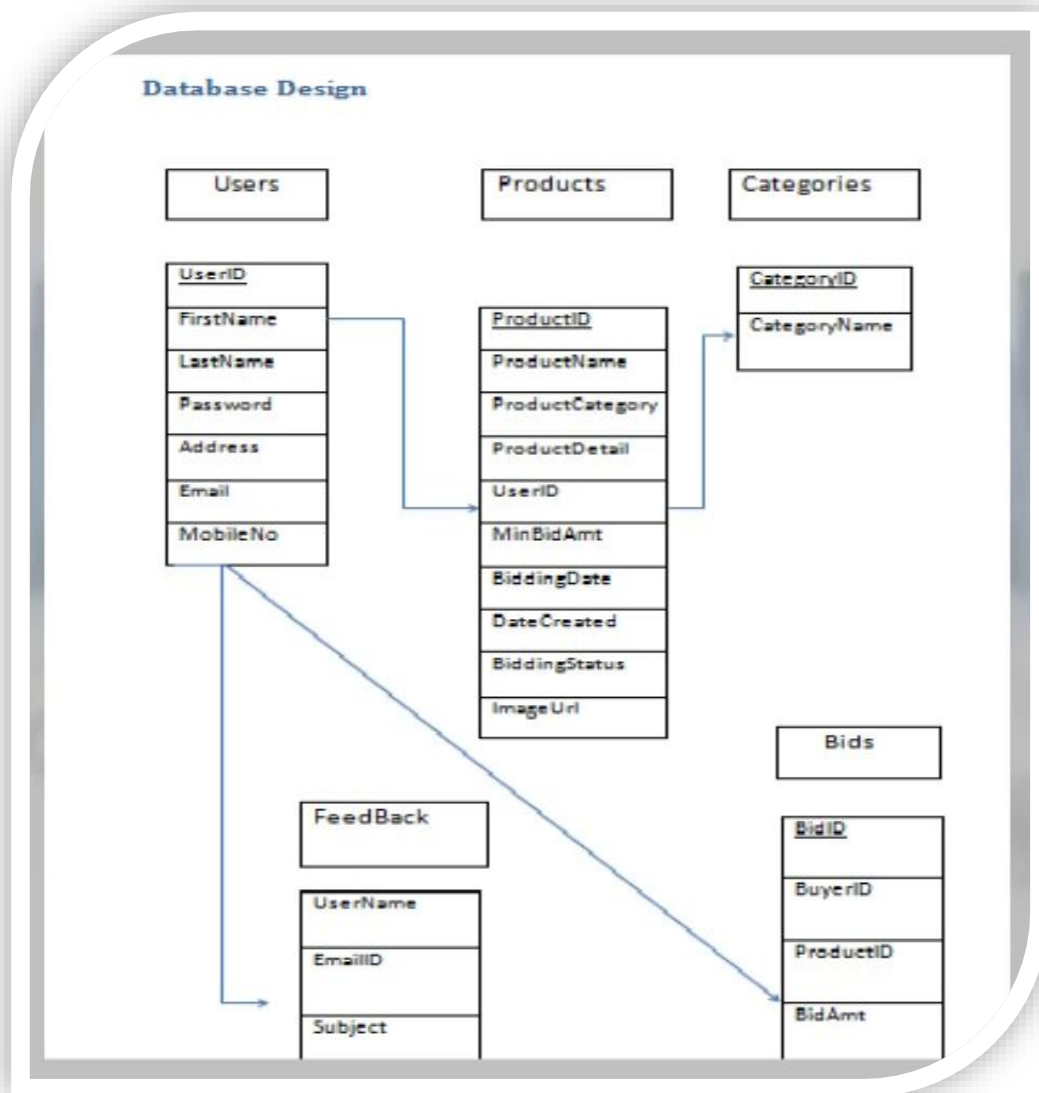
Architecture and Patterns :

Features:

Guests
❖   Searching for items by tags and categories
❖   Studying available tenders and items
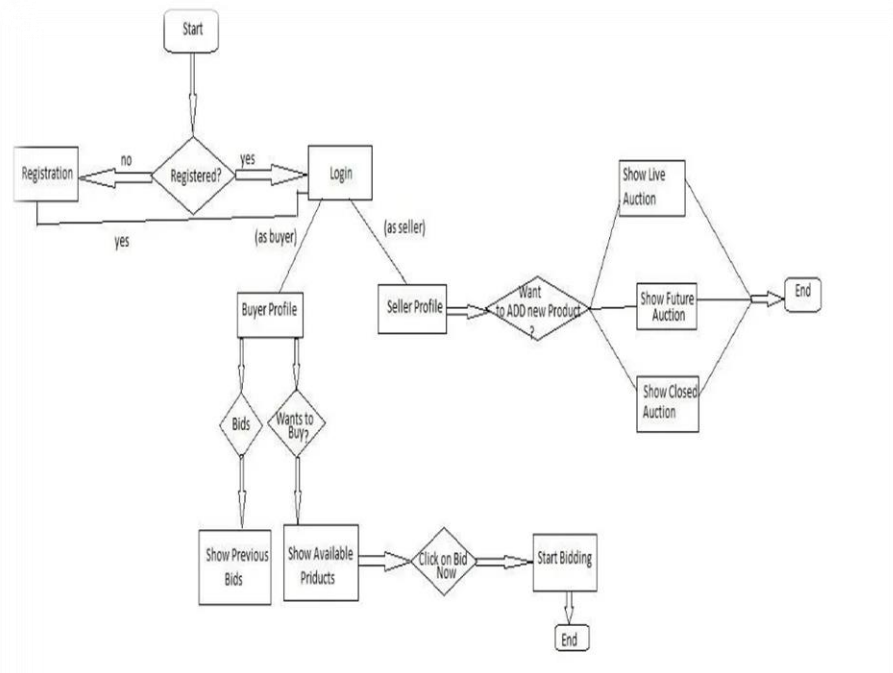❖   Web registration

Registered users
❖   Proposing items for tender
❖   Participating in active tenders
❖   Account management
❖   Commenting and rating other users

Related Database Table :

Application Flow

Advantages :
❖ Preferred bidders are all contained within a one database.
❖ Easy comparison of bids.
❖ Better efficiency
❖ We can add multiple in different rows.

Future scopes :
❖ Admin monitoring
❖ Several payment options
❖ Email verification
❖ Update other information of users
❖ To make an application using the concept of this project.

CONCLUSION

Online auctioning is inherently insecure. To solve privacy and security issues the crypto grapy can play an important role. This paper uniformly reviewed several major auction schemes by listing each auction according to its primary components. Privacy and security of each scheme were analysed according to how it dealt with the goals of unforgeability, non-repudiation, public verifiability, robustness and anonymity. It is impossible to account for all potential security problems in an auction. Security remains largely a matter of perspective. What one person may see as relevant, may not be as important to others.

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