

# Secure Net Auction System

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## ABSTRACT

Auctions are among the oldest economic institutions in place. They have been used since antiquity to sell a wide variety of goods, and their basic form has remained unchanged. In this dissertation, we explore the efficiency of common auctions when values are interdependent- the value to a particular bidder may depend on information available only to others-and asymmetric. In this setting, it is well known that sealed-bid auctions do not achieve efficient allocations in general since they do not allow the information held by different bidders to be shared.

**Keywords:** Internet, Net Auction, Bid, Secure

## I. INTRODUCTION

Auctions are among the oldest economic institutions in place. They have been used since antiquity to sell a wide variety of goods, and their basic form has remained unchanged. In this dissertation, we explore the efficiency of common auctions when values are interdependent- the value to a particular bidder may depend on information available only to others-and asymmetric. In this setting, it is well known that sealed-bid auctions do not achieve efficient allocations in general since they do not allow the information held by different bidders to be shared.

Secure Net Auction System website which is used to bid from the comfort of one's own home has seen a change like never seen before. This is done through JAVA technologies. This has various technical areas. It includes WINDOWS XP as the operating System, Oracle as Database. The front end deals with GUI and source code deals with Oracle (Backend).

With the point and click of the mouse, one may bid on an item they may need or just want, and in moments they find that either they are the top bidder or someone else wants it more, and you're outbid! , while meeting the needs of its users.

The World Wide Web is an attractive target to many attackers. It has a lot of valuable information that can easily be accessed to a person with the right knowledge. With the increasing number of electronic commerce sites popping up every day, we are very concerned with the security of transactions.

There are several different payment methods to use for online purchases. Some of these include; credit cards, micro payments, smart cards, and online billing. However, "the top three credit cards companies handle over 98% of all purchases made on the Web." (174, Korper) We wanted to address some of the security issues that web developers should take to safeguard their sites. Specifically, we are interested in the protection of credit card numbers and data that users transmit over the Web.

In this site we will address some of the security issues and solutions for web developers to implement when creating e-commerce sites. We have discussed ways to secure your server, protect the network from outside intrusion, and the use of digital certificates to secure transactions. We have also listed some software solutions we recommend that can be beneficial to your site.

## II. PROPOSED SYSTEM

The opportunity to shop from the comfort of one's own home has seen a change like never seen before. Within the span of a few short years, what may have begun as an experimental idea has grown to an immensely popular hobby, and in some cases, a means of livelihood, the online auction gathers tremendous response every day, all day. With the point and click of the mouse, one may bid on an item they may need or just want, and in moments they find that either they are the top bidder or someone else wants it more, and you're outbid. The excitement of an auction all from the comfort of home.

With this opportunity to buy sight unseen also comes the opportunity to be scammed sight unseen as well. There are over 30 million 'hits' each month on the online auction sites, and that is opportunity waiting to be taken for those with the criminal intent of defrauding others.

However with a little care and caution, one can have a positive experience doing business on an online auction, and each party can leave satisfied with their 'deal', whether they are the buyer, the seller, or the conveyance that brought it all together.

### A. Features of the proposed system

- User friendly.
- User can get the Timely Information from the database without any delay regarding the query.
- This reduces the delay of response given to the Customer.
- User can generate reports very easily.

### B. Advantages of the proposed system

- The proposed system is automated that is faster than the existing manually maintained system and can handle data easily.
- Computerization of the details of the buyers and sellers.
- Maintenance time and cost are greatly reduced.
- Accurate information can be generated easily and quickly at different levels.
- Report can be generated easily and quickly.

## III. MODULES

### A. Admin

Secured net Action provides the complete information related to products for sale and the buyers can bid for the products and can own them all this has to be provided and maintained by the admin, because the complete auction process is to be kept under control till the product sale gets confirmed. It has to verify the details given by the buyer and seller then it has to confirm all the things furnished by the both buyer and seller.

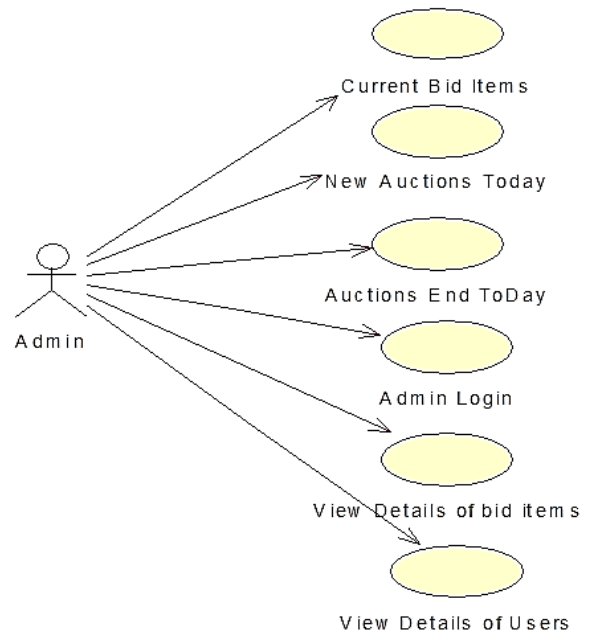


Figure 1. Admin use case diagram

### B. Seller

Sellers want a place where seller can sale their products at a higher price and get maximum benefit out of that. This is the place where seller can display all his products and sell them.

Seller can display all the possible products for sale and can call the people for the auction then after receiving the final bidding which ever is the highest that the highest bidder owns the product. Seller can have the benefits directly with out any third people involvement.

## IV. RESULT

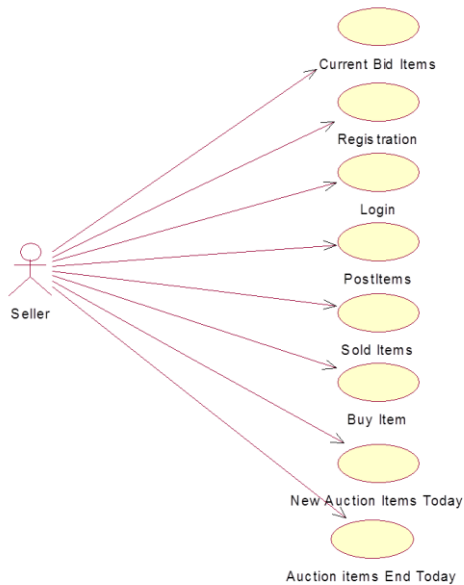


Figure 2. Seller use case diagram

### C. Buyer

The people always want different things to purchase but in the local market they can have local products only but in this application buyer can buy any product from any part of the world at a very best competitive price and own the product. Buyer has to just furnish their details and can participate in the bidding to acquire the product, which is for sale.

### D. Visitors

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

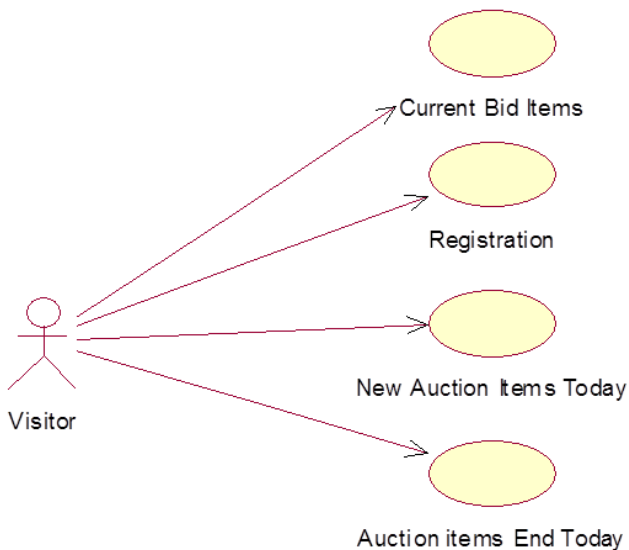


Figure 3. visitor use case diagram



Figure 4. Home Page

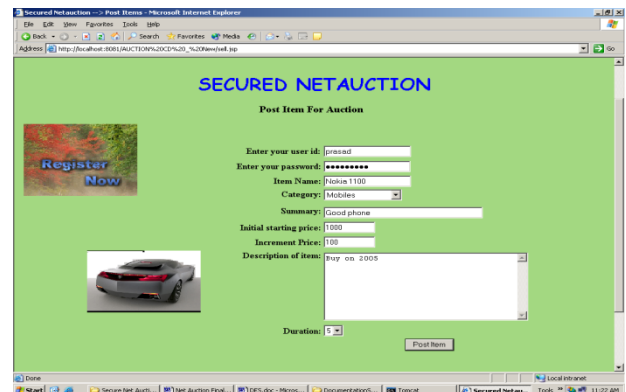


Figure 5. Post Item

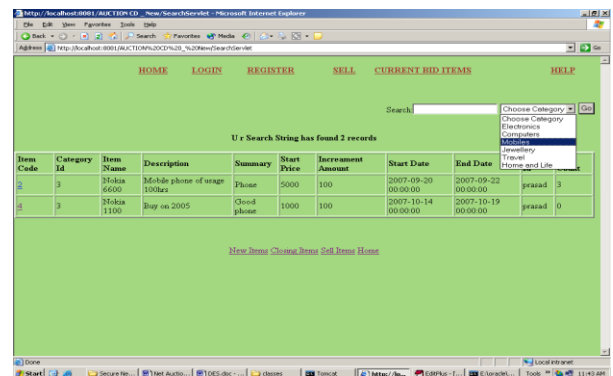


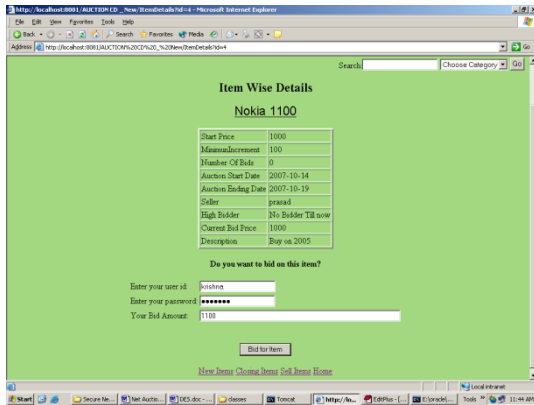
Figure 6. Search



Figure 7. Bidding

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**Figure 8.** Registration

## V. CONCLUSION

This application software has been computed successfully and was also tested successfully by taking “test cases”. It is user friendly, and has required options, which can be utilized by the user to perform the desired operations.

The software is developed using Java as front end and Oracle as back end in Windows environment. The goals that are achieved by the software are

1. Instant access.
2. Improved productivity.
3. Optimum utilization of resources.
4. Efficient management of records.
5. Simplification of the operations.
6. Less processing time and getting required information.
7. User friendly.
8. Portable and flexible for further enhancement.