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Synopsis On E- Auction

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INTRODUCTION

E-Auction is an online auction platform where sellers would be able to set up their products for auction and bidders would be able to bid for that product.

We will be providing an easy to use user interface where anyone would be able to register and place their product for auction. The bidders in turn would be able to bid for that product.

Our E-Auction website will be having the following features:-

- User Login: User would be able to register and create his account.
- Auction products: User can set up products for auction by providing an image of the product and minimum bid.
- Delete Products: User can delete his own products.
- Admin Login: Admin can login to his account and check user feedback. He would also be able to delete user products.
- Auction time: User can set auction time on posting product for auction.
- Email notification: Auction winner will get all the details related to the product & the seller.

EXISTING SYSTEM

- The internet has become a very important aspect of life today. More than 3 billion people of the world have an access to the internet, which is relatively 45% of the world population.
- This has increased from 778 million users in the past 15 years which is a great and rapid growth. The number of users is anticipated to reach 60% by the year 2020.
- With this in mind, the rate at which this large population is seeking to buy items is also on the rise, as many people are seeking advanced and ideal routes of trading services (Clearwater and Xerox, 2010).
- Some people spend a lot of money on transportation, using a lot of time of which at the end of the road they might lack to get the desired items which they opted for.
- This project shall handle this issue by creating an online platform where a user will be able to post items online for auction.
- The items will accompany item name, selling price, and a picture presentation for the bidder to see (Dutta, and Ramamoorthy, 2009).
- The bidder, if interested in the item, will auction for the product and will be able to inspect the item physically to approve the product then complete the business with the seller.

USE OF THE PROJECT

For Buyers:

An E-auction provides procurement professionals with competitive prices for their products, pitching the suppliers directly against each other to see who can offer the lowest prices. It also streamlines the procurement process and saves time, since each supplier is not required to submit a full proposal.

For Suppliers:

E-auctions tend to be open, allowing smaller businesses to compete in the process, which in turn also enables suppliers to compete in new sectors. A winning bid can lead to more business, as most buyers will look to source their 'non-core' products from their existing supplier.

Benefits:

- More buyers
- Larger reach
- Convenience
- Exposure
- Longer bidding window
- Less onsite activity
- Provide more details

FEASIBILITY OF PROJECT

In this project the system is designed to allow users to set up their products for auctions and to register and bid for various products available for bidding. The system also consists of products sorted by categories and by price. User feedback is also provided to Admin.

The website will be very successful as in pandemic times people can't go outside their house to buy things and this project makes it very easy for them to buy things online.

This way of auction also makes people more competitive and curious about how their item will turn out which attracts more buyers. Also the cost of maintaining the system is very low.

- No noisy crowds like conventional system where users have to sit and bid.
- Excludes general frustration that usually happens while bidding in conventional system.
- No schedule constraint that means bidder can bid any time and from anywhere.
- The bidding process can be conducted on a global scale.

FUNCTIONAL SPECIFICATIONS

- **Bidder Login:** Here the buyer or the product bidder can see a list of products up for bidding and place his/her bid on the product.
- **Seller Login:** This is the seller module where the seller posts a product up for auctions.
- **Admin Login:** This module is for the administrator who may delete fake or unwanted ads.
- **Feedback:** the website will also hold options for feedback and share their experience with us which will help us in making the website better.
- **Complaints/queries handle:** there will also be an option for your queries and complaints which will be handled by the admin.
- Most of the people got hesitate in asking a stranger about anything, for these kinds of people this software is going to be very useful. Sometimes we face a very non-friendly nature of buyers and sellers so this software also resolves this problem.

SOFTWARE SPECIFICATIONS

- **Technology Implemented** : NodeJS
- **Language Used** : HTML, JavaScript
- **Database** : MongoDB
- **User Interface Design** : CSS
- **Web Browser** : Microsoft Edge, Google Chrome and FireFox

HARDWARE REQUIREMENTS

- **Processor** : Pentium 4 or above
- **Operating System** : Windows 7 or above
- **RAM** : 2 GB
- **Hardware Devices** : Keyboard, Mouse
- **Hard Disk** : Above 10 GB
- **Display** : Super VGA

FUTURE SCOPE

E-Auction is a web based application which will help users to buy or sell items. They can trade anything they want by listing details of the product. This application will allow users to post their products for auction. Bidder can register and bid for any available product.

Future Scopes are -

- E-Auction provides an opportunity for the seller to bring forward services and products to millions of buyers from across the world.
- It provides feasibility to user to sell or purchase product without going to auction house.
- E-Auction provides more crystal clear service of buying and selling products by trying to eliminate most of the auction frauds.
- It brings different types of sellers and collectors across the world on one platform, which attracts more buyers.

E-Auction guarantees the future security issues, for improving the security. Also improvement in implementation, documentation and design can be done. This site can expand to be more user friendly.