WWW.IJRPR.COM

International Journal of Research Publication and Reviews

Journal homepage: www.ijrpr.com ISSN 2582-7421

ONLINE AUCTION SYSTEM

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ABSTRACT

An online auction is an auction which is held over the internet. It is a popular method for buying and selling products and services. Online Auction System s 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 the anything on the website from house. This application is used to sell the anything on the website from house. It developed with the objective of making the system reliable, easier and fast. The application is made as simple as surfing a website. There by non-technical persons can also interact with the processing on the application easily.

Keywords: Auction, sell and buy product.

INTRODUCTION

The online auction system is a model where we participate in a bid for products and service. This auction is made easier by using online software which can regulate processes involved. There are several different auction methods or types and one of the most popular methods is English auction system. This system has been designed to be highly-scalable and capable of supporting large numbers of bidders in an active auction. Online Auction System has several other names such as e-Auctions, electronic auction etc. The requirement for online auction or online bidding can be more accurately specified by the client. It should be healthy and will be a good practice when it is made more transparent as a matter of fact. Online Bidding has become more wide spread in all sorts of industrial usage. It not only includes the product or goods to be sold, it also has services which can be provided. Due to their low cost this expansion made the system to grow. Online bidding has become a standard method for procurement process. Bidders can be maintained in a single database according to the preference, and they can be monitored. User's data can be maintained in a confidential way for validity and integrity of contractual documentation. Neat reporting reduces paperwork, postage, photocopying and time beneficial. Multiple bidders can be communicated with a great ease. This system allows multiple bids by single users. Online bidding is based upon lowest or the highest price which is initiated but not the best value for the product. Although there is a chance to fix the criteria against the fact expected to have desired value by the seller.

BACKGROUND OF STUDY

A few decades down the line, auctions were carried in auction houses and the bids were made with the auctioneer delegating the bids and this method required the physical presence of the bidders, thus it resulted in a number of limitations. This led to the use of online auctioning which allow for the auctions to be carried out over the internet from anywhere in the world. The advent of online auctions presents on its own, different downsides due to the lack of proper evaluation techniques of the products and the sellers. The current systems
do not allow for proper description of the of the kind of sellers and the kind of products that they sell. These systems do not provide enough detailed information to evaluate the type of sellers and their products. This result in the buyers uncertainty thus resulting in the reduced effectiveness of the online auctions making people opt for online auction markets.

PROJECT PLANNING AND MANAGEMENT

Project planning is a procedural step in project management. It is the practice of initiating, planning, executing, controlling and closing the work team to achieve specific goals. Project planning and management is important because it ensures that the right people do the right things, at the right time. It also ensures the proper project life cycle.

SCOPE

This online auction system only allows for the auctioning of household furniture, computer accessories, and mobile phones. This system only accommodates the buyers and sellers that are located within Zimbabwe. Only registered potential buyers and sellers participate in any of the auctioning process.

OBJECTIVE

To design and develop an online auction system that ensures the buyers on the sellers and the products that are being auctioned.
To computes the seller's ratings using the feedback scores from the bid winners.To generate reports for each completed bid in the auction system.
To notify the bidders of new bids made in the bids that they participate in.
To computes the seller's shill scores for each seller that sells products on the online auction system.

SOFTWARE AND HARDWARE FOR DEVELOPMENT IN DETAIL

An implementation detail is the decision that is left to be made by the developers and it not specified at entry level. Such as requirement document or depending on the context of the architectural document. In order to implemented a automated system, the relational database must be designed first. Conceptual design can be divided into two parts: The data model and the process model. The data model focuses on what data should be stored in the database while the process model deals with how the data is processed. To put in the context of the relational database, the data model is used to design the relational tables. The process model is used to design the queries that will access and perform operations on those tables.

COST ESTIMATION

Effective software project estimation is one of the challenging and important activities in software development. Proper project planning and control is not possible without sound and reliable estimate. The Five basic steps in software project estimation are:

1. Estimate the size of development product. The units of measure are lines of code (LOC) and function point (FP).
2. Estimate the effort in person-months or person-hours.
3. Estimate the schedule in calendar months.
4. Estimate the project cost in rupees.
5. Estimate Cost For Development.

SOFTWARE REQUIRED IN DEVELOPMENT

Node.js:

The purpose of Node.js is to provide an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data intensive real-time applications that run across distributed devices. Node.js lets developers use JavaScript to write command line tools and for server side scripting| running scripts server-side to produce dynamic web page content before the page is sent to the user's web browser. Consequently, Node.js represents a "JavaScript everywhere" paradigm, unifying web application development around a single programming language, rather than different languages for server-side and client-side scripts. Node.js brings event-driven programming to web servers, enabling development of fast web servers in JavaScript.

MongoDB Database:

In the project, MongoDB is used as the backend database. MongoDB is an open source database management system.

Features of MongoDB are given below:-

1. MongoDB is a document-oriented database, which is a great feature itself. In the relational databases, there are tables and rows for arrangements of the data. Every row has specific number of columns and those can store a specific type of data.
2. In MongoDB, one collection holds different documents. It has no schema so can have many fields, content, and size different than another document in the same collection. This is why MongoDB shows flexibility in dealing with the databases.
3. In MongoDB, we can index any field indexed with primary and secondary indices. Making query searches faster, MongoDBindexing enhances the performance.

METHODOLOGY

Algorithm shows the flow of program that how it is being execution. It shows the successful working of the system. They are u sed for problem solving in the programming due to their simplicity to understand.

Steps followed in the Algorithm –

Step 1: Start
Step 2: Input details for sellers and buyers (Email and Pass).

Step 3: Login with credential and if right user gets the access to application.

Step 4: After getting access seller can add products for bidding.

Step 5: After creating account bidder can bid for products according to their choice.

Step 6: when bidder win the bid they can contact seller for delivery of product.

Step 7: Logout. Step 8: Stop.

RESULT

Results and Analysis chapter shows the actual result of the project. Seller upload his product for auction system app. Many Bidder are their for bidding the product and there is a auction is done and much better price get for seller and it is also useful for bidder. So the result is useful for both seller and bidder.

CONCLUSION

Online auction system will give new approach and dimension to auction system Online auction system will give new approach and dimension to auction system Online Auction Portal is a new experience and has greatly impacted the lives of consumers in its short time of existence. Online auction portal has made consumers more effective and efficient in their behavior and has driven businesses to a new level, forcing many to make the necessary adjustments and changes to reach the new market of knowledgeable consumer. The huge benefit of using online auction sites to buy your home is that u can place offers at all hours of the day, also it removes geographical boundaries, location etc.

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