INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN COMPUTER & COMMUNICATION ENGINEERING

INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 7.488

Online Auction System using Closing Time Reschedule Algorithm

Hariharan G[1], Subash S[2], Arvindh S[3], Veena .T[4]

UG Student, Department of IT, S.A. Engineering College, Chennai, India[1,2,3]

Assistant Professor, Department of IT, S.A. Engineering College, Chennai, India.[4]

ABSTRACT: Online Auction system is an electronic application which will assist clients with purchasing or sell thing. This application will permit clients to post their items available to be purchased, bidder can enroll and can offer for any accessible item.. In this project after closing time of bidding, a bidder who drops out at some price can re-enter at a high price by using a button provided for next one hour and it is carried out using a "CLOSING TIME RESCHEDULE ALGORITHM".

KEY WORDS: auction system, rescheduling algorithm, e-auction,

I. INTRODUCTION

An online closeout system is a system that holds online sell-offs for different items on a site and serves Seller and Buyer likewise. We proposed, a "CLOSING TIME RESCHEDULING ALGORITHM" here, we provide a reschedule button. This button available for next one hour only. Using the reschedule button , now the initial bid value is recently closed highest bid value , the bidding process continue more than thirty minutes or one hour respectively.

Our site home page will have a search bar, that used to search our wished product with affordable initial bid amount. Vendors and Customers also get an OTP to when they sign-up in our website. Sale victors and failures get a SMS and email notice whether they won or the lost offer.

II. RELATED WORKS

We related our work an online stage where a client will actually want to post things online available to be purchased. The things will go with thing name, selling cost, and an image introduction for the bidder to see. The bidder, whenever intrigued by the thing, will offer for the item and own the offer. The thing will be conveyed inside 7 business days after the consummation of offering measure with vendor. There is the benefits like No fraudulent groups like customary framework where clients need to sit and offer and Excludes general disappointment that normally occurs while offering in ordinary framework. Also there are some disadvantages like The user cannot view the item in person and You must wait for the purchased item to be delivered to your address , that can take some time and User didn't get any notification even they won the bid.

III. PROPOSED SYSTEM

Online sale system that holds a different kind of things on a site and serves merchants and purchasers appropriately. This system consist of products sorted by categories and price. When a bid time frame is closed, we provide a reschedule button which is available for next one hour using "CLOSING TIME RESCHEDULING ALGORITHM".

Online Auction System comprises of the accompanying highlights:
Customer Login: Here the purchaser or the item bidder can see a rundown of items ready for offering and spot his/her offer on the item.
Vendors Login: This is the dealer module where the merchant posts an item up for barters.
Admin Login: This module is for the manager who may erase phony or undesirable advertisements.
Reschedule Button: A Button enabled for an hour after the end of a bidding of a specific product.
Notification: vendor and winning customer get notification after completion of bid.
Online sales are getting more well-known because of the way that they are helpful, and in the present occupied world, this is an extraordinary advantage. In our project we send a notification after completion of the bidding

process to vendor and the customer. A featured button called "Reschedule Button" is used for rescheduling the time, as well as a precise notification is sent to both vendor and customer as an intimation.
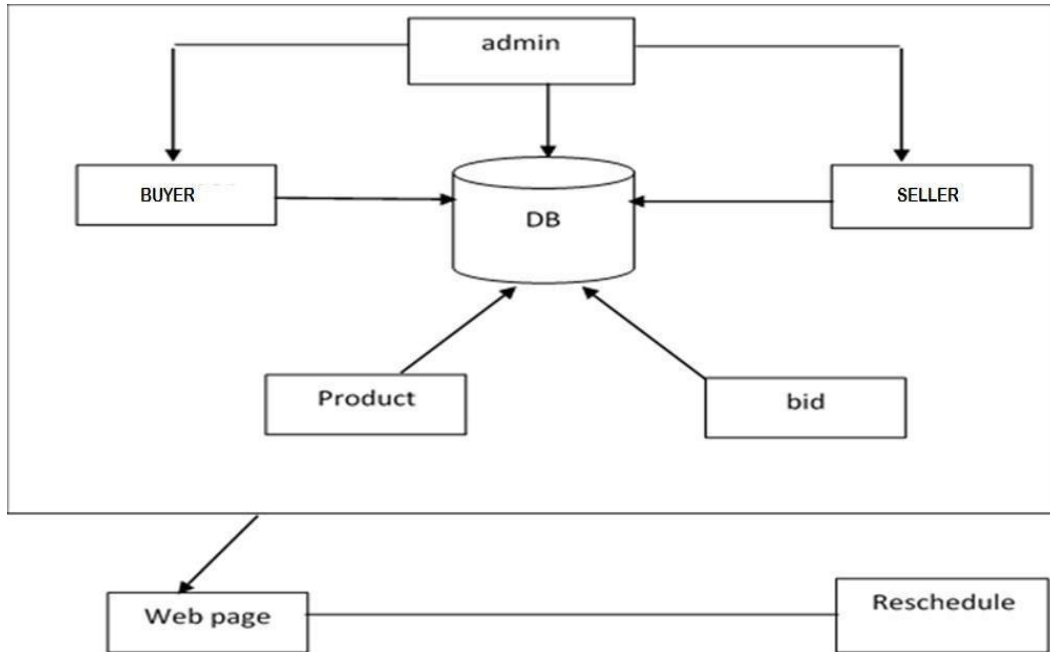
IV. ARCHITECTURE DIAGRAM

Fig a: Architecture Diagram

V. ALGORITHM

This paper is the first, to our knowledge, to propose and evaluate a rescheduling algorithm of auction closing times in order to improve the performance of these sites.

```
01 Scanning ← true; NumScans ← 0;
02 While Scanning Do
03 Begin
04 a ← first(S);
05 Changed ← false; NumScans ← NumScans + 1;
06   While a != φ do
07 Begin
08 PreviousClosing ← closing (a);
09   reschedule (a);
10 If closing (a) !=PreviousClosing
11   Then Changed ← true;
12 a ← next (S) 13
End
14 If (Changed != false) or (NumScans > MAXSCANS)
```

15 Then Scanning ← false 16
End

VI. CONCLUSION

At long last it is feasible to say that web barters and electronic business sectors overall have as of late arose at a high rate. In our project we used the 'CLOSING TIME RESCHEDULE ALGORITHM' for improve the performance of the auction system. Using this algorithm we satisfied both buyer and seller.

REFERENCES

1. Sandeep Kumar, "Pricing Algorithms in Online Auctions by" International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 6, June 2013 ISSN: 2277 128X, June - 2013, pp. 148-153.
2. P. Hemantha Kumar, Gautam Barua, "Design of a Real-Time Auction System", 4th International Conference on Electronic Commerce Research, November 8-11, 2001, Dallas, Texas, USA.
3. Avrim Blum ,Vijay Kumar, Atri Rudra and Felix Wu . "Online Learning in Online Auctions", Theoretical Computer Science - Special issue: Online algorithms in memoriam, Steve Seiden, Volume 324 Issue 2-3, 20 September 2004, pages 137-146.
4. Bryan, D., Lucking-Reily, D., Prasad, N., Reeves, D. Pennies from eBay: the Determinants of Price in Online Auctions., January 2000
5. Daniel A. Menasc´e , Vasudeva Akula ,"Improving the Performance of Online Auction Sites through Closing Time Reschedule", Conference Paper October 2004, DOI:10.1109/QEST.2004.1348033 Source: IEEE Xplore.

INNO SPACE
SJIF Scientific Journal Impact Factor
Impact Factor:
7.488

ISSN
INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

निस्केयर
NISCAIR

INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH
IN COMPUTER & COMMUNICATION ENGINEERING

📱 9940 572 462 🟢 6381 907 438 ✉ ijircce@gmail.com

www.ijircce.com

Scan to save the contact details