ONLINE AUCTION SYSTEM: YOUR PORTAL TO DIGITAL BIDDING

Pratik Rokade*1, Akanksha Phalke*2, Sejal Pomaje*3, Rohit Mithe*4,
Prof. Priyanka Kinage*5

*1,2,3,4,5Department Of Computer Engineering, Smt. Kashibai Navale College Of Engineering,

Pune, India.

ABSTRACT

A website that conducts online auctions and sells a variety of products is referred to as an online auction project. The system is designed to enable the users to set up their products for auctions and the bidders to register and bid for various products available for bidding.

Online Auction or the E auction system project comprises the following parts:

Bidder Login: Here, a user who is the product bidder or a buyer can view the list of products available for bidding and make his/her bid on the product.

Seller Login: This part is the seller module where the seller publishes a product for auctions.

Admin Login: This module is for the administrator who can delete ads that are fake or unwanted.

Report Generation: Whenever the Admin wants, he gets a report showing the different products that are up for bidding and the different users that are registered on the website.

Keywords: Python Django, Bootstrap, HTML, CSS, JavaScript, SQLite.

I.   INTRODUCTION

This survey report examines the development and implementation of an "E-Auction Gateway: Your Portal to Digital Bidding" project.

The purpose of this project is to build an "on-line auction management system", a place for buyers and sellers to come together and trade almost anything. In fact, the system consists users can propose new auctions, place bids in order to buy the items on auction. Auctions have a name, a description, possibly a photo (of the related item) uploaded by users and an end period: users cannot place bids when the auction interval (start - end period) ends, but, in case there were no offers for an item, there is the possibility to extend the interval.

Moreover, administrators have the possibility to accept or refuse auctions proposed by users, to view information about users and items and to create, modify and delete the categories of auctions (auctions regarding cars, books, music stuff etc.).

The system is realized with 3-tier architecture: a relational database that store the information regarding items, users, auctions and categories of auction; an application server that cares about the business logic of the system and the presentation layer that consists in the web browser where users can interact with the system. With such architecture, the database is never directly accessed.

II.   LITERATURE SURVEY

1. Title: Online Auction System

Authors: Abha Sonkar, Aditya Kumar, Er. Uttam Kumar Singh, Abhinav Prakash, Ayush, Abhishek

Key Findings: Establishment of a platform serving the local market rather than foreign places Enforcement of security measures: checking personal identity and tracking bids

Limitations: The lack of a thorough scalability assessment for the general public is a major weak point.

2. Title: Design and Implementation of Online Auction System

Authors: Raghda T. Elias & Auday H. AL Wattar

Key Findings: Creation of a straightforward, accessible platform for local use. Implementation of SMS confirmation for increased user security.

Limitations: Inability to find out advanced real-time bidding for future works International scalability is not considered.

3. Title: Implementation of Online Auction Service (E-Auction)

Authors: Novita, Dila, Ita Mariyatul Qibthiah, and Abdul Muis

Key Findings: Successful application of an e-auction in Bek

III.   OBJECTIVE

The primary objectives of the E-Auction Gateway project are:

• Increase Accessibility: A system that allows remote users to join an auction via the Internet independent of their location or the time may be needed to break geographic barriers (D Brew).

• Enhance User Experience: Create a functional and simple to use website for auction participation that can (ideally) be handled by both the children of a layman and the hands of a veteran operator.

• Ensure Security & Transparency: Deploy user validation and encrypted bidding processes in order to make all the bidders assurance and protection against frauds and liabilities possible.

• Streamline Auction Process: Launch a paperless, fast, and safe technology that will ensure easier conduct of auctions as well as money-related transactions, and alleviate manual transactions to the most possible.

• Expand Market Reach: Global participation of the auction will widen the pool of bidders from those who are from different market regions, thus providing additional opportunities for sellers. bidders from different regions will join and expand the reach of the market.

• Promote Sustainability: Make online auctions item reuse and recycling move more frequently around thereby possibly contributing to reducing our impact on environmental conservation efforts.

• Foster Economic Growth: Deliver services to help people or small firms get into the mainstream and extend their possible customer base.

IV.   KEY FEATURES OF THE E-AUCTION GATEWAY

• User Registration: Allows creation of accounts for auction participation

• Auction Creation: Registered users can propose new auctions with detailed item information

• Bidding System: Users can place bids until the auction's end period

• Auction Extension: Capability to extend auction end time if no bids are received

• Admin Management: Administrators can approve/reject auctions, manage user accounts, and create/modify categories.

V.   SYSTEM ARCHITECTURE
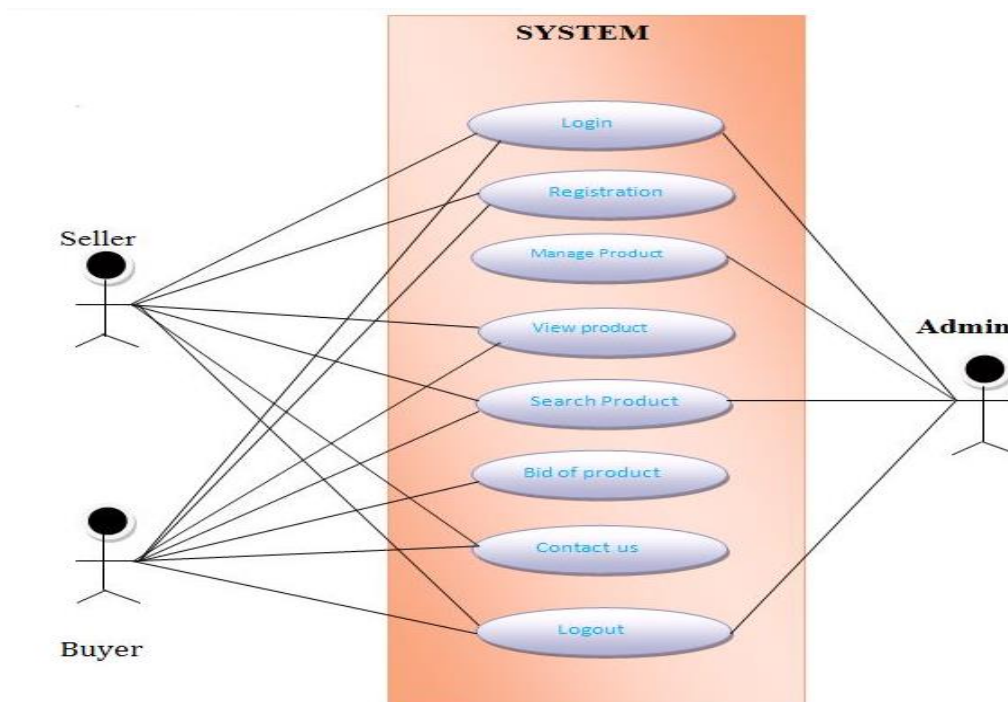
VI.   CONCLUSION

In conclusion, the E-Auction Gateway project shows promise in meeting its objectives and addressing a real market need. With careful execution and ongoing innovation, it has the potential to become a leading platform in the digital auction space, benefiting buyers, sellers, and the broader economy.

VII.   REFERENCES

[1]   Sonkar, A., Kumar, A., Singh, E. U. K., Prakash, A., Ayush, & Abhishek. (2023). Online Auction System.

[2]   Elias, R. T., & AL Wattar, A. H. (2022). Design and Implementation of Online Auction System.

[3]   Novita, Dila, Qibthiah, I. M., & Muis, A. (2022). Implementation of Online Auction Service (E-Auction).

[4]   For python installation

[5]   Https://www.Python.Org

[6]   FOR HTML, CSS ANF PYTHON BASICS

[7]   Www.W3schools.Com

[8]   Www.Javatpoint.Com

[9]   Https://www.Geeksforgeeks.Org/python-django/