



Online Auction Application

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ABSTRACT—

Online auctions are among the most influential e-business applications. Despite efforts to set up marketplaces, online trading is still a relatively early stage. Online auction is an auction held over the Internet. It is a popular way of buying and selling products and services. The Online Auction System helps the customer to sell and buy a product at a high price. It is developed with the aim of making the system reliable, easy and fast. This app is used to sell anything. The application is made simple and easy to use. There are people who are not technical and can work with processing the request easily.

Keywords— Online Auction, E-Business, Customers, Sellers, Bidding

I. INTRODUCTION

Online auction system is a system that provides online platform for the people to buy, sell and take participation in the bidding process of products. It is the system that provides comfort to the users and also add much value to the e-commerce market worldwide.

Our application aimed at taking the auction to the finger-tips of aspiring bidders there by opening up the doors of the "OPEN Auction House" to a wider cross section. This application also acts as an open forum where buyers and sellers can come together and exchange their products. The system makes sure that the sellers get a fair deal and buyers get a genuine product.

II. RELATED WORK

Objective—

The objective of the project is to explore the problems encountered by the existing manual system and design an online auction android application that will improve upon the existing auction applications.

Our main aim is to develop a user-friendly auctioning application where any kind of product can be auctioned and provide value-added services to the bidders and the sellers. The products will be authenticated and the site provides a safe environment for online users.

Problem statement—

The main problem we encounter is that in public auction the participation of general public is very limited. The problems that arises in public auction are as follows:

- Too much paper-work required.
- Only accessible to known, auction-card holders. Also Potential bidders must register to attend an auction
- Time-consuming settlement process.
- You have to present in person or have a representative.

Existing system—

No.	Existing System	Features	Limitations
1.	LiveAuctioner: Bid @ Auction	Browse items by category and Search for live and upcoming auctions.	Useless notification and may ads popping.

2.	Bidzapp	Discover hot deals. Only new and authentic products from leading brands.	Pay entry fee/use bidzy points to participate in auction.
3.	SaveBox Bidding	Offers 100% free delivery of product. Credit coins can be used for discount on product purchasing.	Bidding is only allowed on having enough bid -credits

III.METHODOLOGY

Tools and Technology—

Java- Java is general-purpose, class-based, object-oriented programming language intended to let [application developers](#) write once, run any where (WORA). It is developed by Sun Microsystems. It is designed for having lesser implementation dependencies. [5]

Android-Android is an open source and Linux-based **Operating System** for mobile devices such as smart phones and tablet computers. Android was developed by the *OpenHandsetAlliance*, led by Google, and other companies.[5]

Proposed System—

The proposed system is to implement that replace the tradition auctions by online auction, due to the fact that in the epoch of the internet and e-commerce online auction had an important role in business and it had been popular means of selling goods. ‘Online Auction Application’ is a useful Android app which permits buyer to buy various goods. User can buy or sell any kind of product by bidding in auction at any time & anywhere within the same or different locality. Buyer can buy his/her desired product at an affordable price. The process of the application as follows:

Account Creation: A user can register and login into the system and add product which they want to sell.

Product Creation: Vendor will add the product with details which he wants to sell with minimum bid price and no. of days wants the auction to be live. Also he can delete the product.

Bidding for Product: User can bid for any product which he wants to buy.

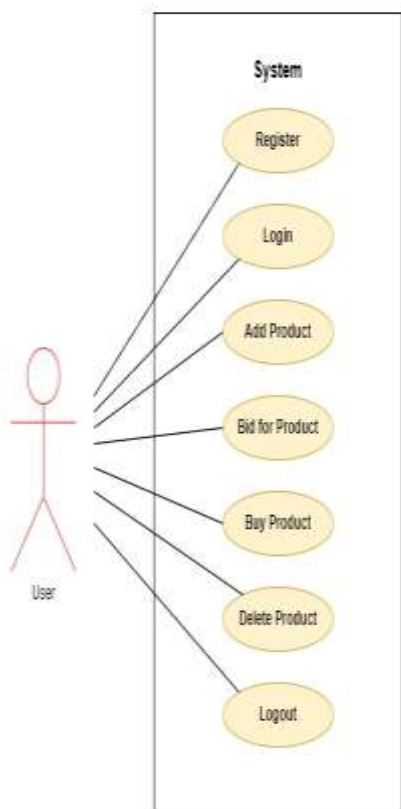


Fig 1: Use Case Diagram

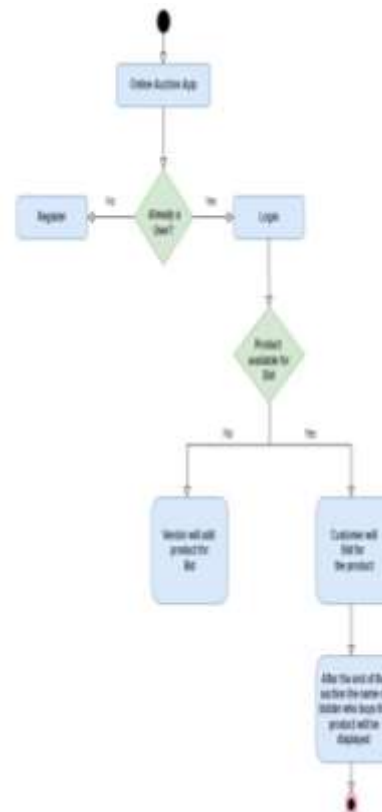


Fig 2: Activity Diagram

IV. RESULTS AND DISCUSSIONS

- **Splash Screen:**

Application open with a Splash Screen.



Fig 3: Splash Screen

- **Registration:**

After splash screen, user need to register themselves into the app.



Fig 4:Registration

- **Login:**

To gain access to the android application user must login using their registered email and password.

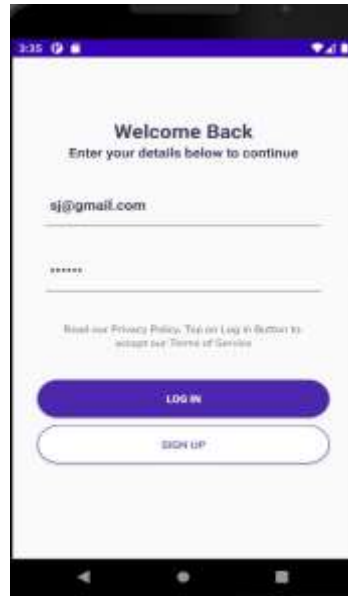


Fig 5: Login

- **Main Screen:**

After successful login or sign in main screen of the app is visible.

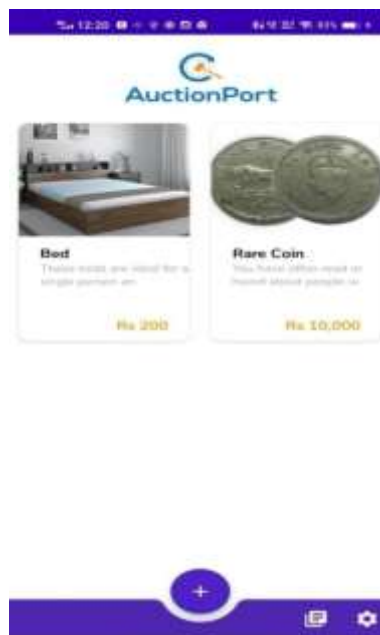


Fig 6: Main Screen

- **Add Product :**

Seller can add product which he wants to sell and its details.

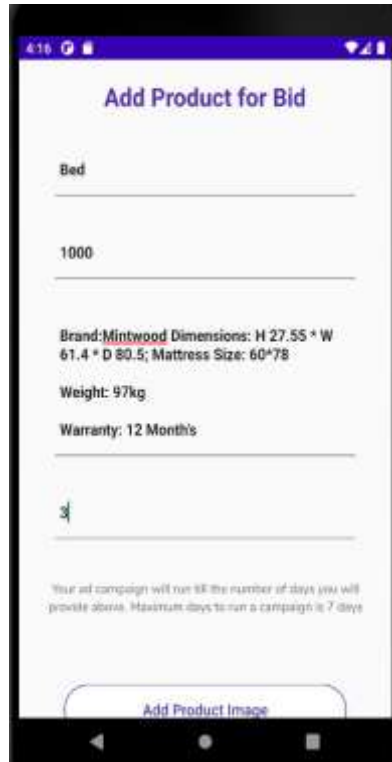


Fig7: Add Product

- **My Campaign:**

User can view all his products in my campaign.



Fig8: My Campaigns

- **Product Details:**

User can see product details.



Fig 9: Product Details

- **Bidding for Product:**

User can bid for any product which he wants to buy.

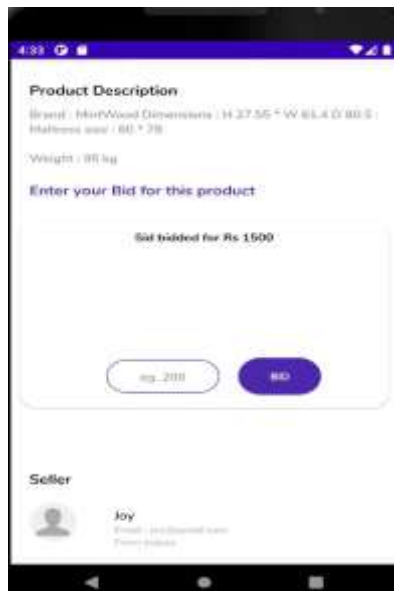


Fig 10: Bidding for product

- **Product Sold:**

Product sold to the user who has highest bid.

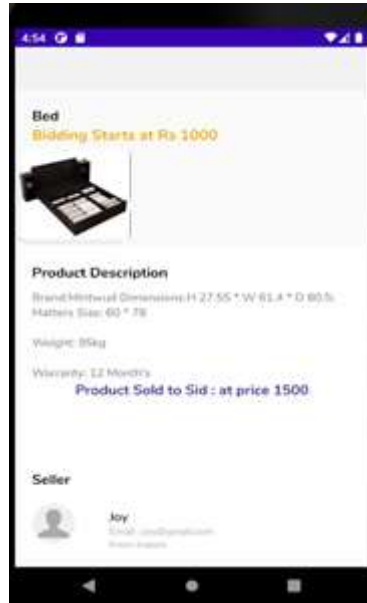


Fig11: Product Sold

V. CONCLUSION AND FUTURE SCOPE

Online Auction System is a new experience and has greatly impacted the lives of consumers in its short time of existence. It is expected to grow constantly in years to come with advancements in technology. Online auction system 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 consumers.

Limitation of Work—

The main limitation of our application is that, you don't get to inspect the item you are bidding for. Sometimes, it may happen that internet connection is not available and in that case app will not provide better functionality. And also you must wait for the purchased item to be delivered to your address. That can take some time.

- **Logout:**

User can logout from the application.



Fig12: Logout

FutureScope—

Online auction system is application where bidders and sellers come together to complete a deal or product purchasing. And the technology keeps on upgrading, and it becomes harder to fulfill the requirements of the user.

The developed system is flexible and changes can be made easily. The system is developed with an insight into the necessary modification that may be required in the future. Hence the system can be maintained successfully without much rework. One of the main future enhancements of our system is to enhance the system security by adding the option of Blacklisting defaulting bidders.

There also can be option for ratings sellers. Online payment settlement can be incorporated into the system.

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