

**A**  
**PROJECT REPORT**  
**ON**  
**E-ANTIQU (Online Auction System)**

Submitted in partial fulfillment for the award of  
**Post Graduate Diploma in Advance Computing**  
**(PG-DAC) from**  
**INSTITUTE OF EMERGING TECHNOLOGIES**  
**Authorized Training Centre**



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## **CERTIFICATE**

This is to certify that the project report entitled **E-ANTIQUÉ(Online Auction System)** is a bonfire work carried out by **WAGH AKSHAY SUNIL, WALUNJ ATISH BHAUSAHEB, SAYYED SHARUKH ARIF, SAVEKAR SAURABH CHANDRAKANT, AMBADKAR SAHIL ANILRAO** and submitted in partial fulfillment of the requirement for the C-DAC ACTS, DAC course in Institute of Emerging Technology in the batch of SEPT-2023.

**Course Coordinator**

**External Examiner**

## ACKNOWLEDGEMENT

This project **E-ANTIQUE (Online Auction System)** was a great learning experience for us and we are submitting this work to Advanced Computing Training School (CDAC).

We are very glad to mention **Mrs. Savita Vaidya** for her valuable guidance to work on this project. Her guidance and support helped us to overcome various obstacles and intricacies during the course of project work.

Our most heart full thanks goes to **Mr. Sangram Patil (Director ,IET)** who gave all the required support and kind coordination to provide all the necessities like required hardware , internet facility and extra lab hours to complete the project and throughout the course up to the last day here in C-DAC ACTS, Pune.

Sign of student

**Atish B. Walunj**

**PRN-230945920115**

## **Abstract**

An online auction is an auction which is held over the internet. It is a popular method for buying and selling products. Online Auction Systems 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 website is used to sell the antique items on the website from home. The application is made as simple as surfing a website. There by non-technical persons can also interact with the processing on the website easily.

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## **1.Introduction:**

An online auction is a type of auction that's held over the internet, unlike in-person auctions. The best part of holding an online auction is the freedom of bidding from any location with bidders connected through the internet. Ebay is a fine example of this types of auction. Apart from eBay, our E-ANTIQUE Online Auction system is used for online antique products auction. Anyone can use the portal and browse the available products, but in order to make a purchase or place an order, a user needs to log in using their unique userId and password. The default role is "User" when a user registers with the website.

This proposed system can be used by any naïve users and does not require any educational level, experience, or technical expertise in the computer field. However, it will be of good use if the user has good knowledge of how to operate a computer. Online Auction System is the public web application. There are mainly two types of users. One is the Buyer or Bidder and other is Seller.

## **2.Problem Definition & Scope:**

### **2.1 Problem Definition:**

Creating an online auction system involves building a website or app where people can sell and buy items through bidding. Users should be able to register, list their products for auction, and others can place bids. The system needs to handle secure payments, provide real-time updates on ongoing auctions, and have a way to resolve disputes. It's important to make it user-friendly, secure, and able to handle a large number of users and items.

### **2.2 Goals & Objectives:**

The main objective of this project is building a website which will help buyers and sellers to participate in auction. Here if suppose some seller or buyer want to use this facility and learn how is it possible and how they can use Online Auction System to buy or sell the products(antique items ), they must have knowledge of computer then they can directly register in the site and sell or buy the products online.

### **2.3 Major Constraints& Outcomes:**

This system is designed as an online web-based application which shall be accessed by any device, either a computer, tablet, iPad, iPhone, mobile phone or PDAs. Compared to traditional auctions, online auctions can be more efficient. They reduce the time and geographical constraints associated with physical auctions. Online auctions generate a wealth of data that can be analysed to understand buyer behaviour, market trends, and the performance of different items. This information can be valuable for sellers and the auction platform.

### **3 Software Requirement Specification:**

#### **3.1 Purposed System:**

- Our System contain three actors – Admin , Seller , Buyer .
- Admin have control over system. First seller/Buyer need to register on portal . Seller will add product for auction. Seller need to set start and end date of auction as well as base price of product.
- Admin will verify every product before it goes for auctioning.
- If Admin approve product to place for auction then product will be place for auction. Otherwise it will not placed for auction. Now Buyers will Bid on product.
- At the end of auction highest bidder will win auction .Bidder can rate for the product and seller .
- This system allows multiple bids by single users.

#### **3.2 Scope:**

The scope of this application to build a user friendly auctioning website, where user will be able to auctioned any product which is available nearby or anywhere in the world. By using Online Auction management system it will be easy for seller to make an auction and time saving also. Bidders/Buyers can search for the products available in the auction and even the information about the seller. Online Auction System provides the functions which connect the sellers and the bidders efficiently. Online auctions allow sellers to reach larger audiences, in different locations and geographical areas. The competitive nature of online auctions can result in higher prices for sellers. Bidders compete with each other, driving the final bid closer to the true market value of the item.



## 4. System Modules:

Online Auction System consists of three modules described as below:

- Seller Module
- Bidder Module
- Admin Module

### 4.1 Seller Module

- Seller can register and create his own account.
- Online Auction System provides the function which allows Sellers to add their products for auction.
- Seller can set base price for the product added.
- The Seller can end the auction.
- The Seller can see the current bid price on the product added. seller can give answers of buyer questions

### 4.2 Bidder Module

- Bidder can register and create his own account.
- Online Auction System provides the function which allow buyers to bid on product and see the description of product.
- Bidder can see sellers rating for authenticity
- Bidder can rate the product and seller
- Buyer can ask questions

### 4.3 Admin Module

- Online Auction System should provide all functions to admin how to handle the System.
- Admin can check KYC and authorize bidder/buyers and sellers based on Government Identity proof.
- Admin can verify every product before it goes for auctioning.
- Admin can remove fraud Sellers and Buyers.

## **5. Performance-Requirements**

### **5.1 H/W Requirements:**

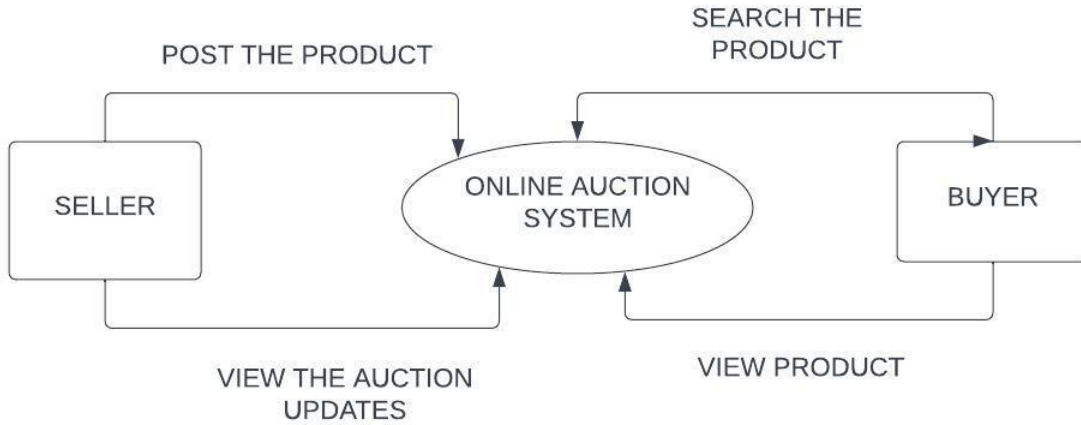
- Processor: Minimum 1 GHz; Recommended 2GHz or more
- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)
- Hard Drive: Minimum 32 GB; Recommended 64 GB or more
- Memory (RAM): Minimum 1 GB; Recommended 4 GB or above

### **5.2. S/W Requirements:**

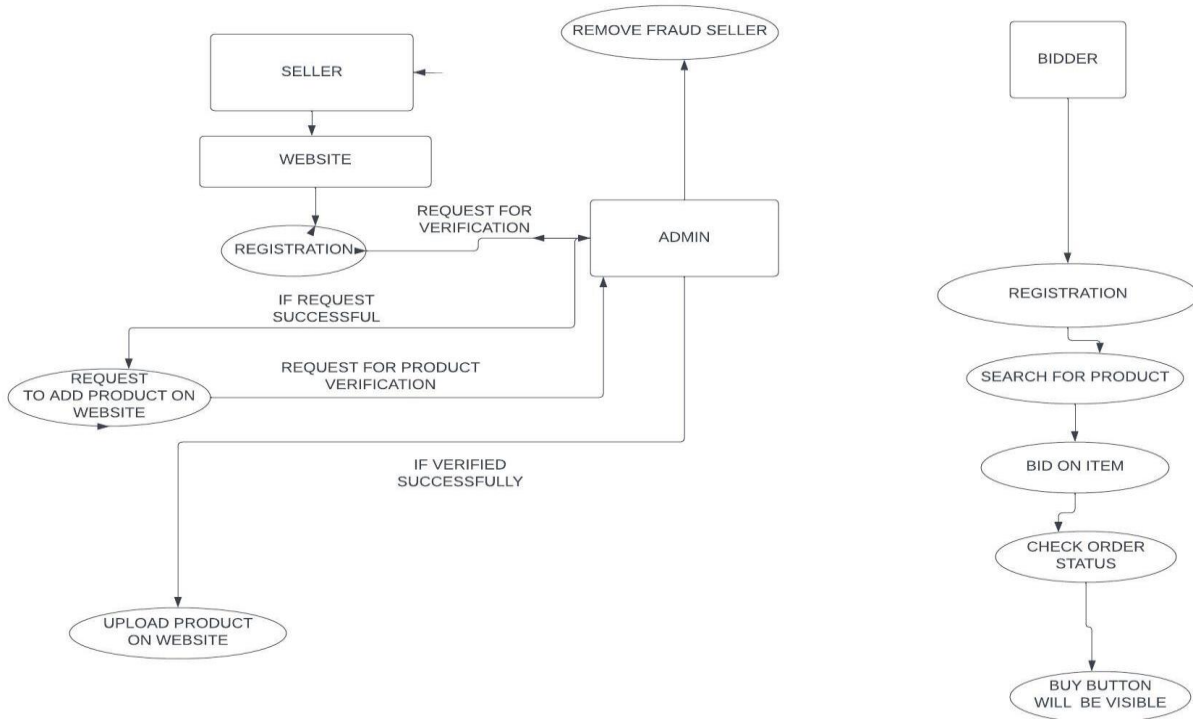
- Firefox browser
- Chrome browser
- Front End Technologies: 1. React.js · 2.Bootstrap · 3. HTML5 · 4. CSS ·  
5. JavaScript
- Backend Technologies : 1. Java · 2. Spring Boot · 3. Hibernate · 4. MySql·

## 6 UML Diagram

### 6.1 DFD:

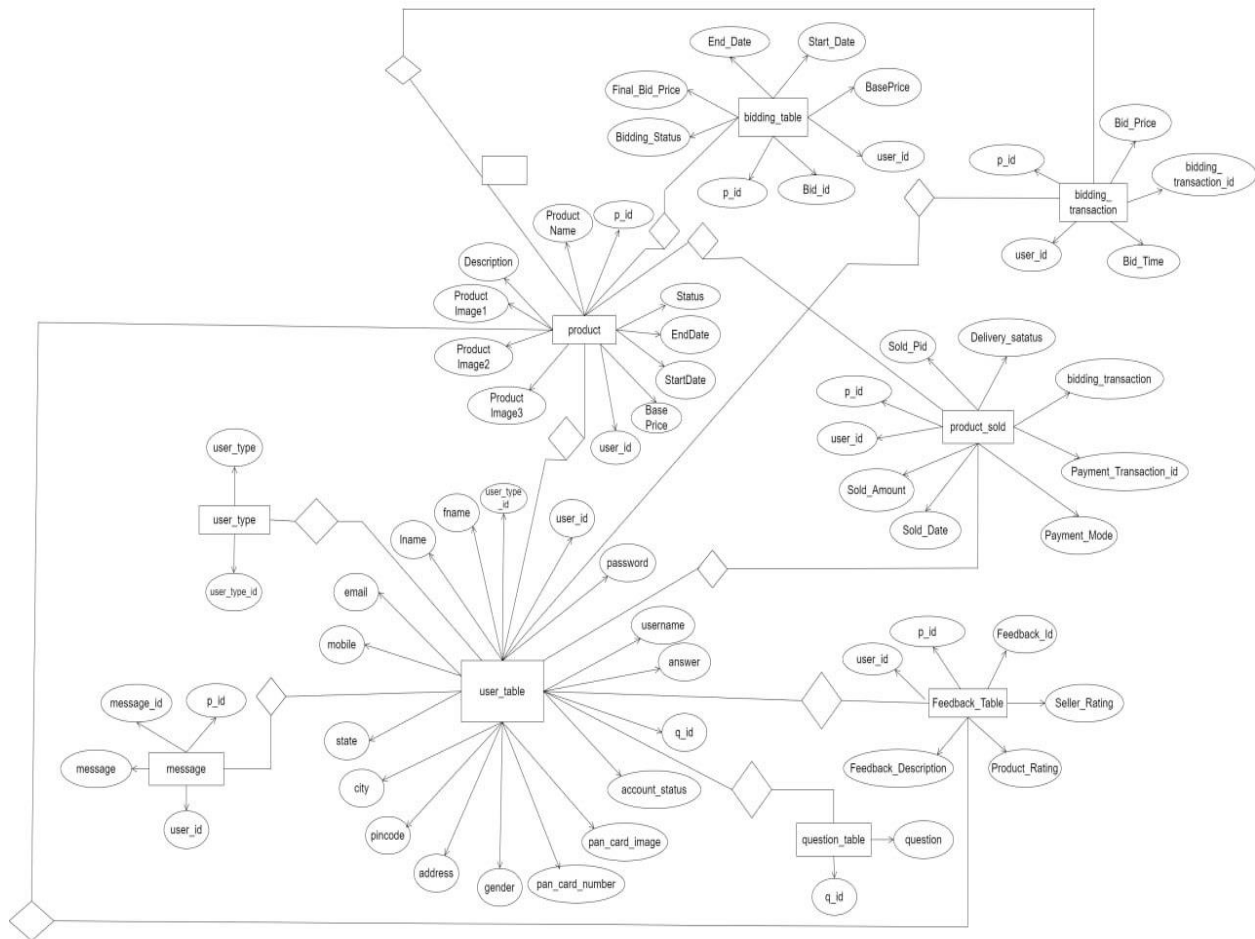


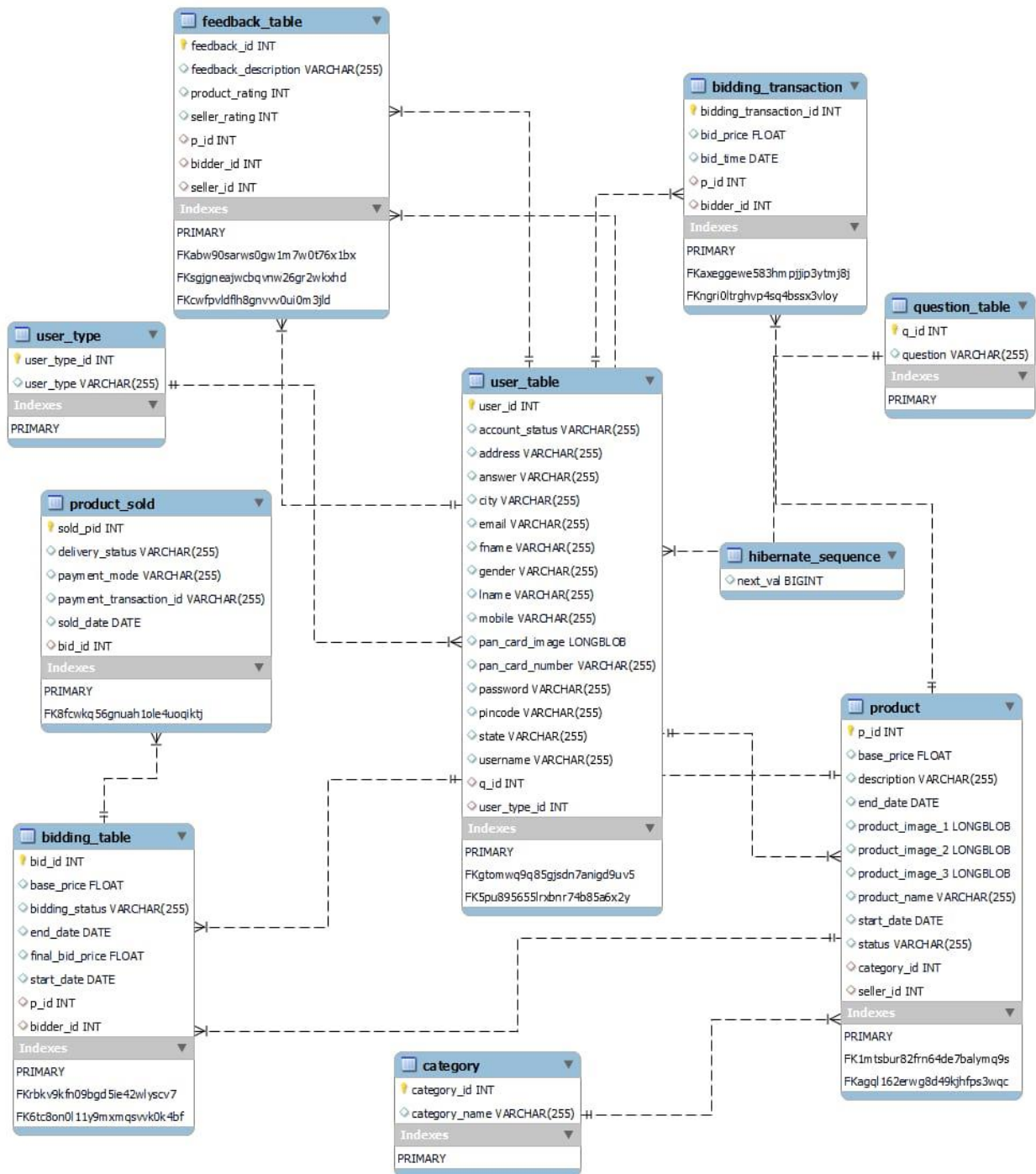
DFD LEVEL 0



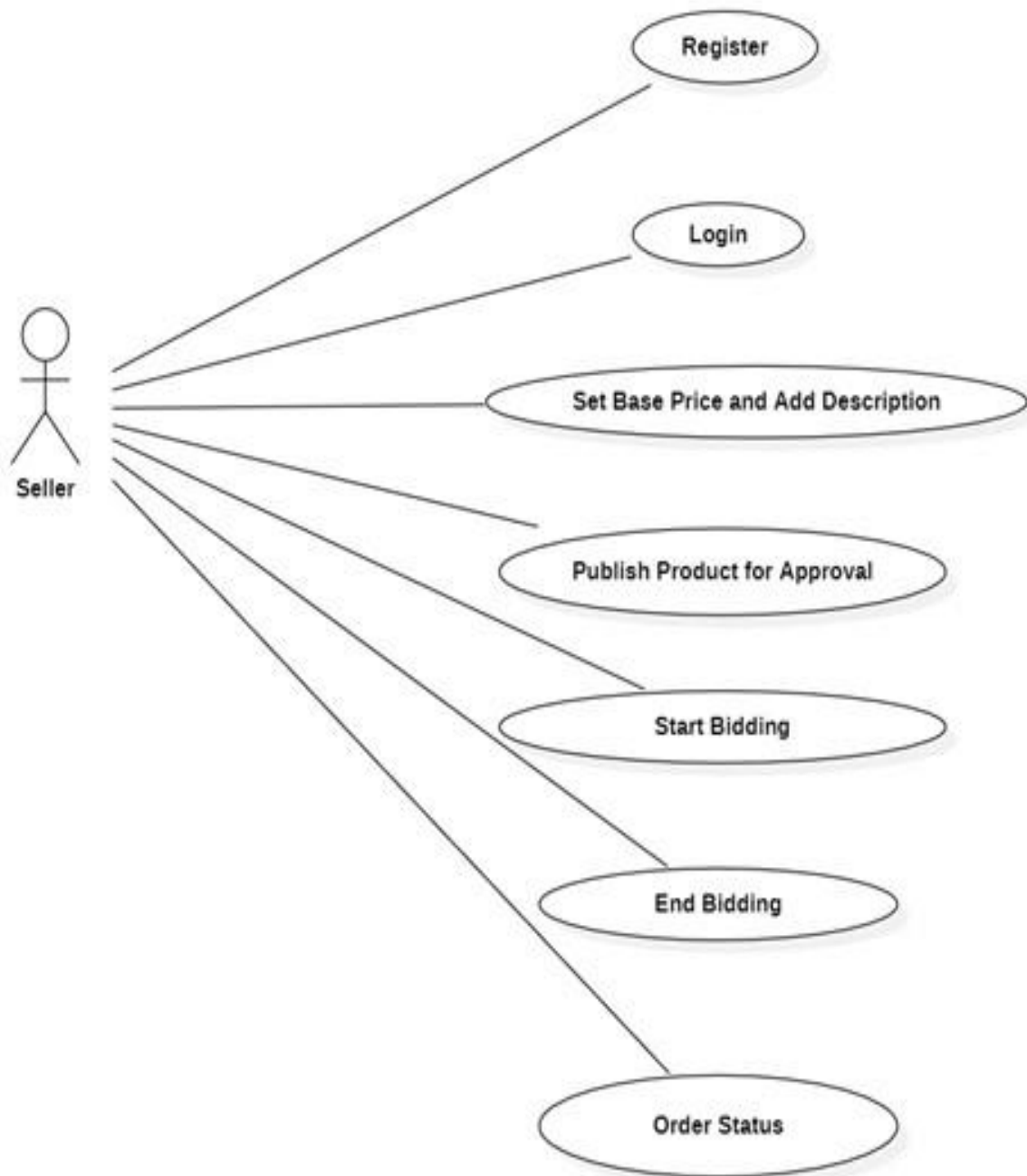
DFD LEVEL 1

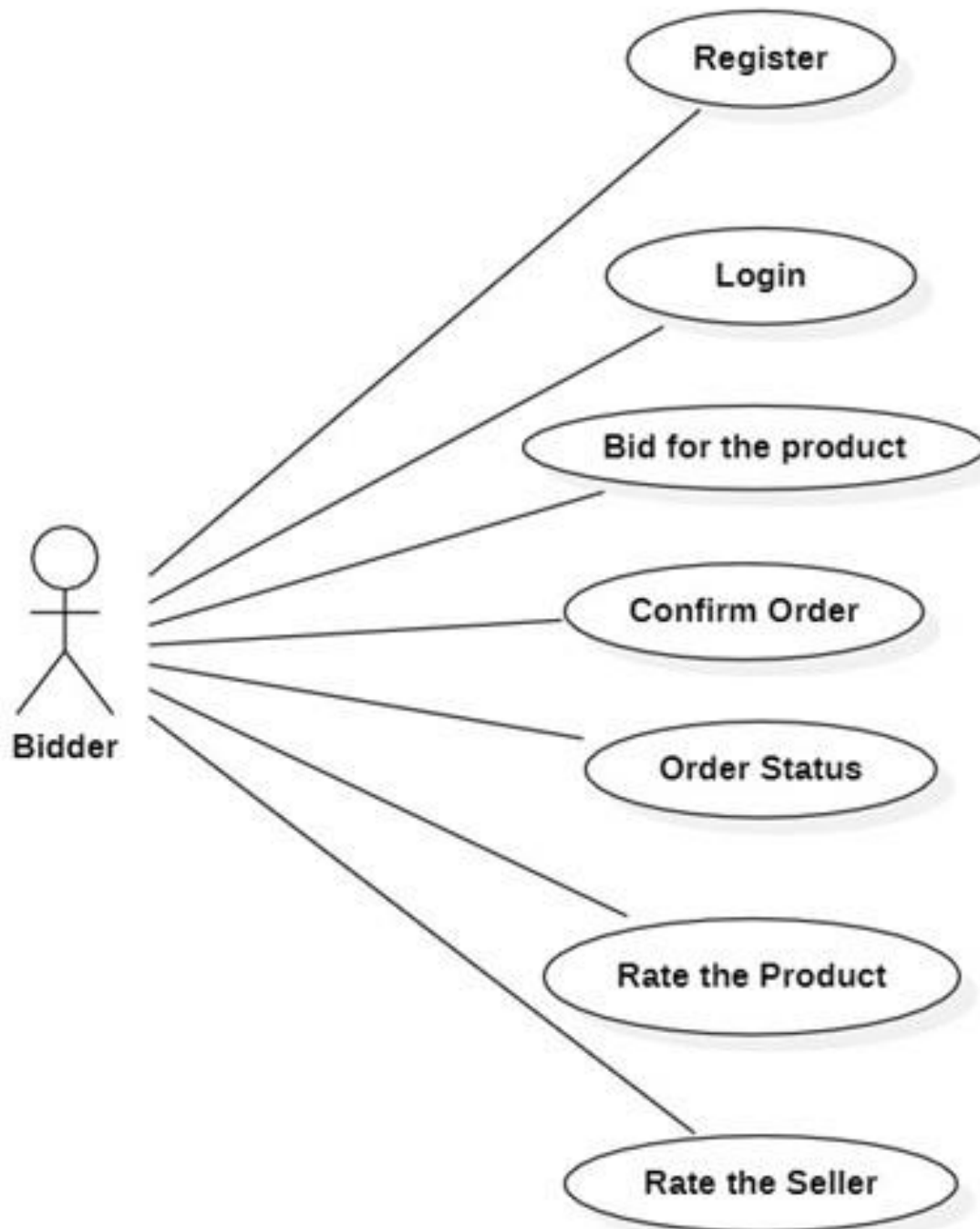
## 6.2 ERD :

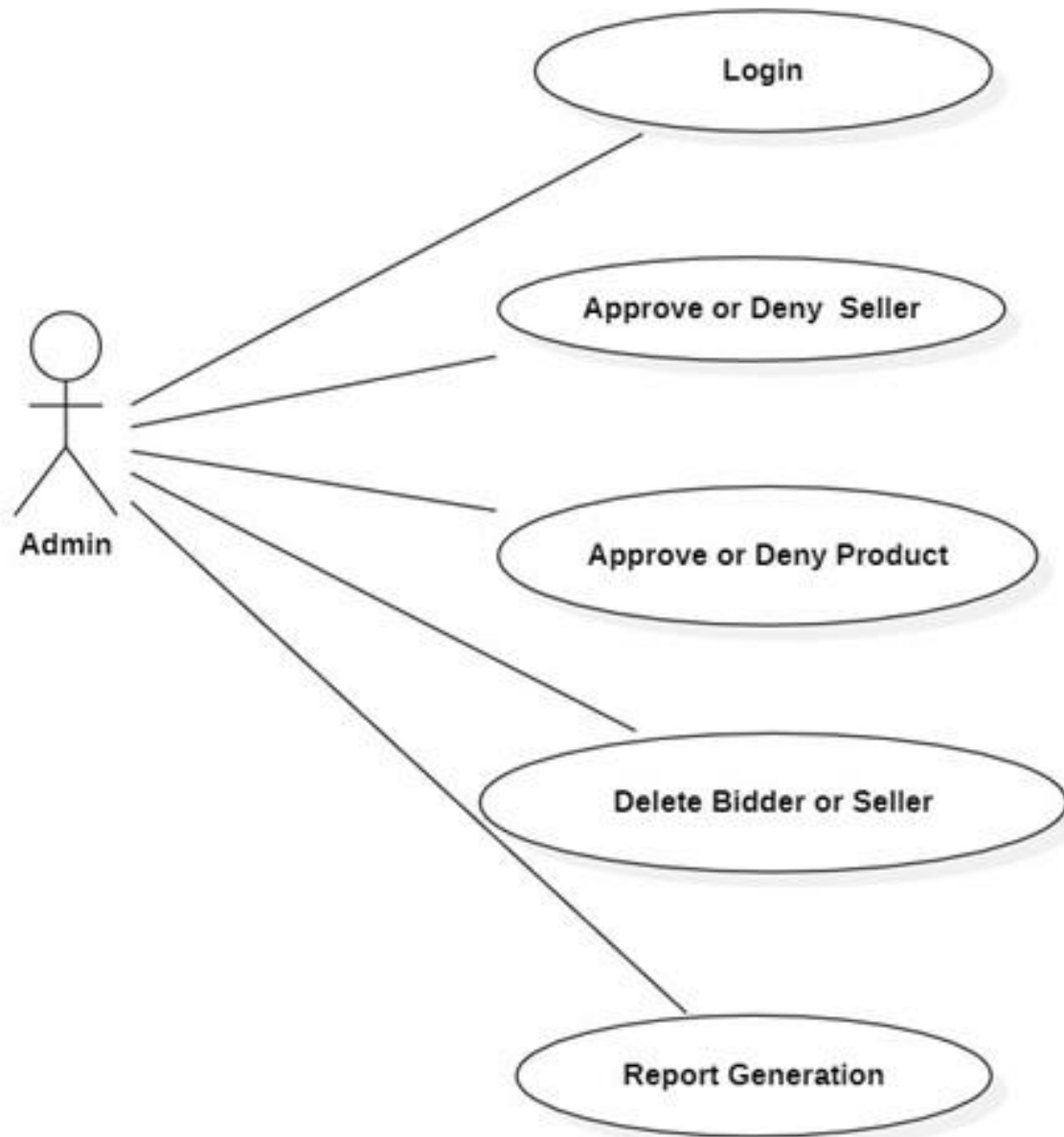




### 6.3 Use case diagram:

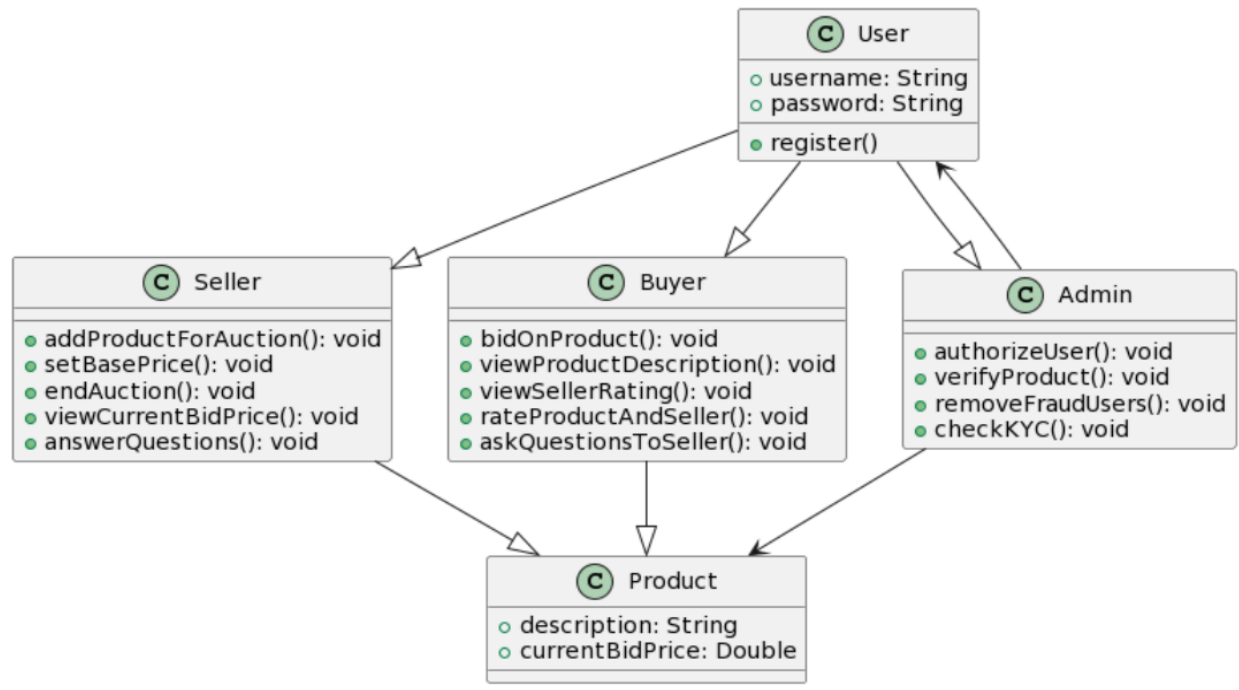




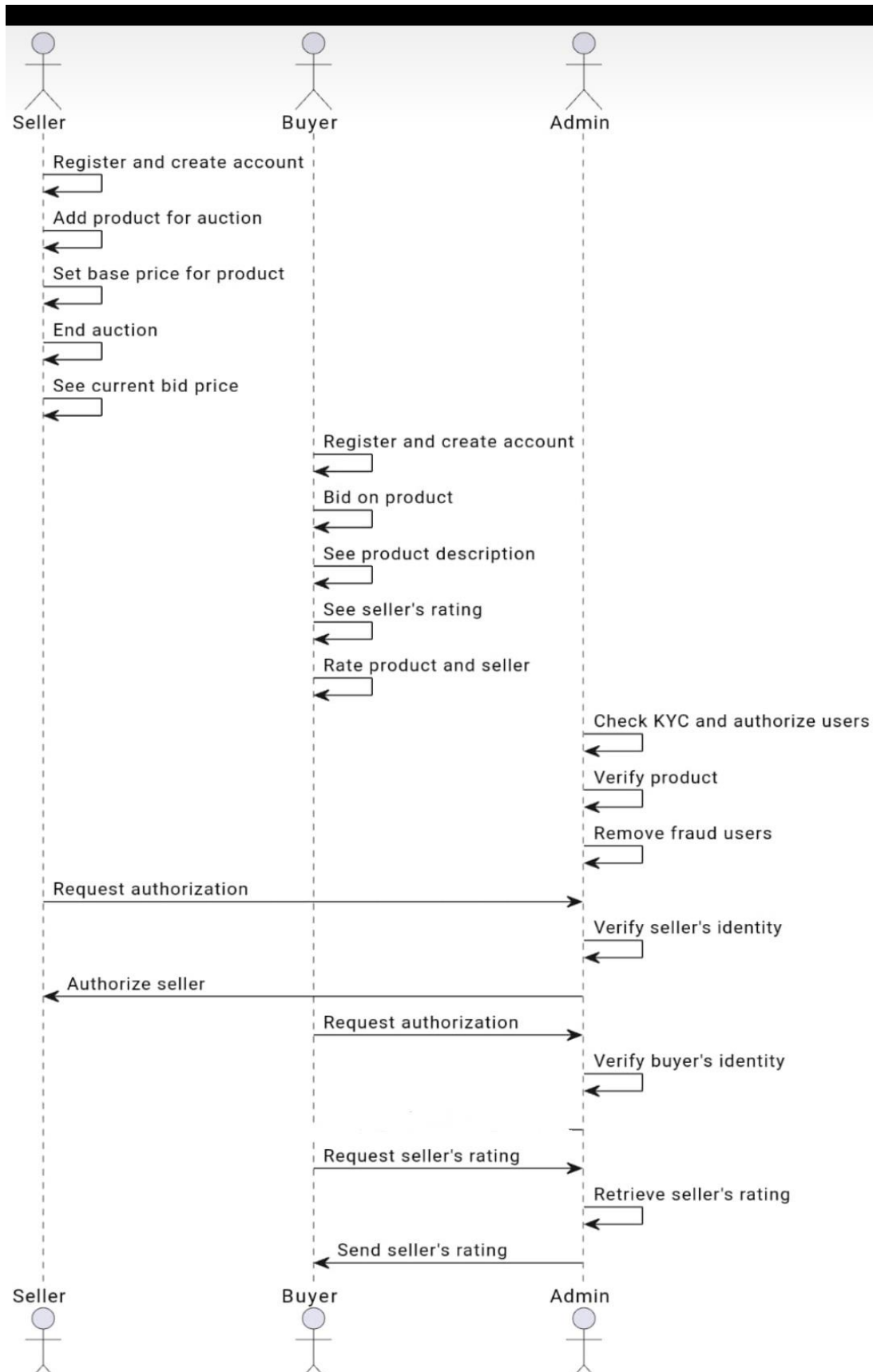




## 6.4 Class Diagram:



## 6.5 Sequence diagram:

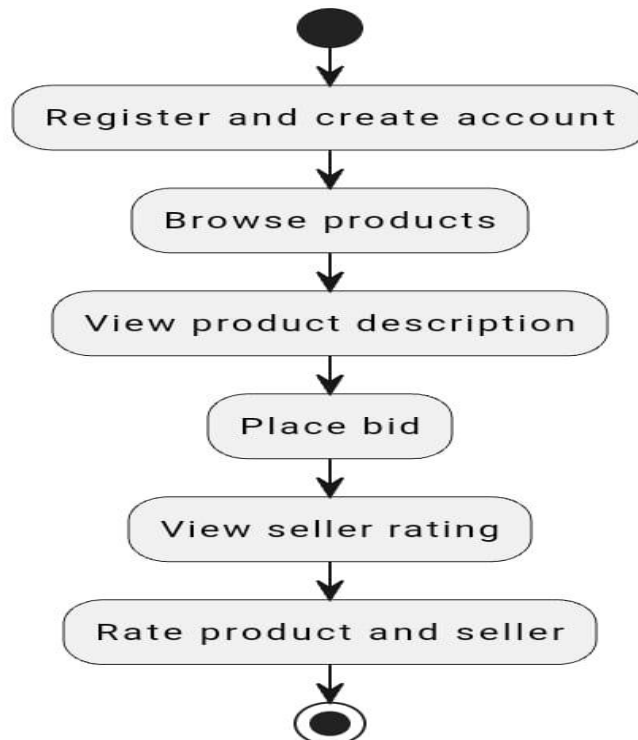


## 6.6 Activity Diagram:

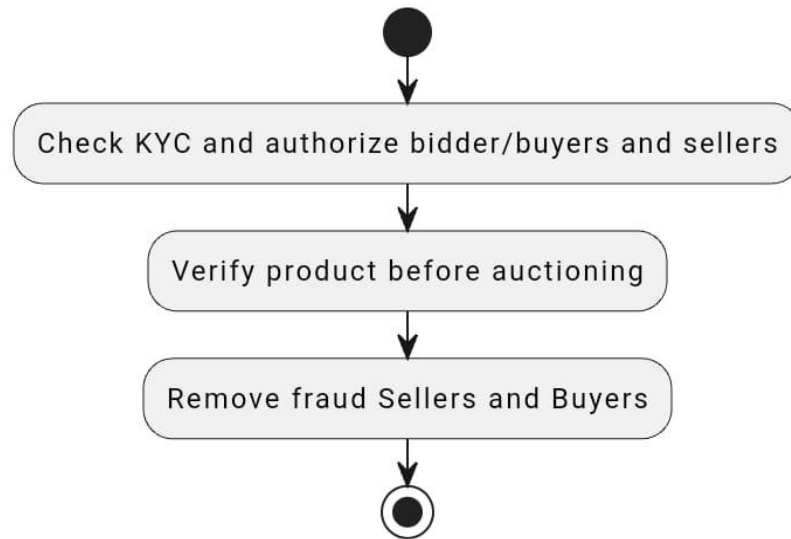
- **SELLER ACTIVITY DIAGRAM :**



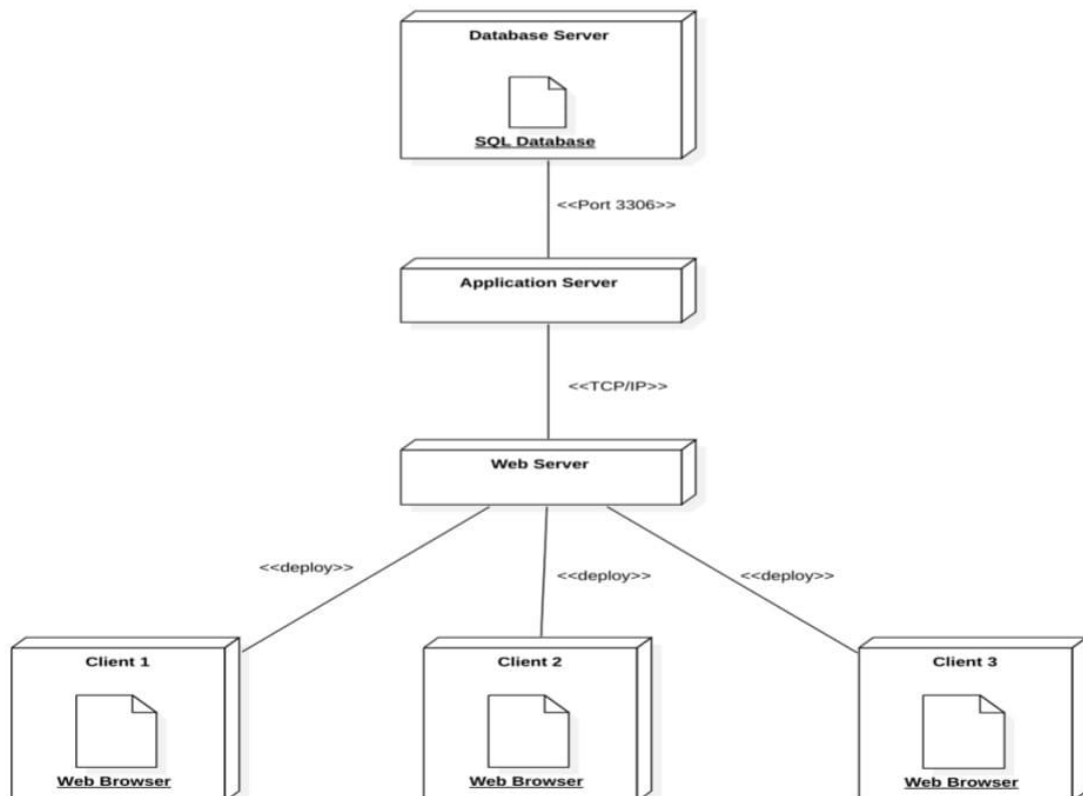
- **BUYER ACTIVITY DIAGRAM:**



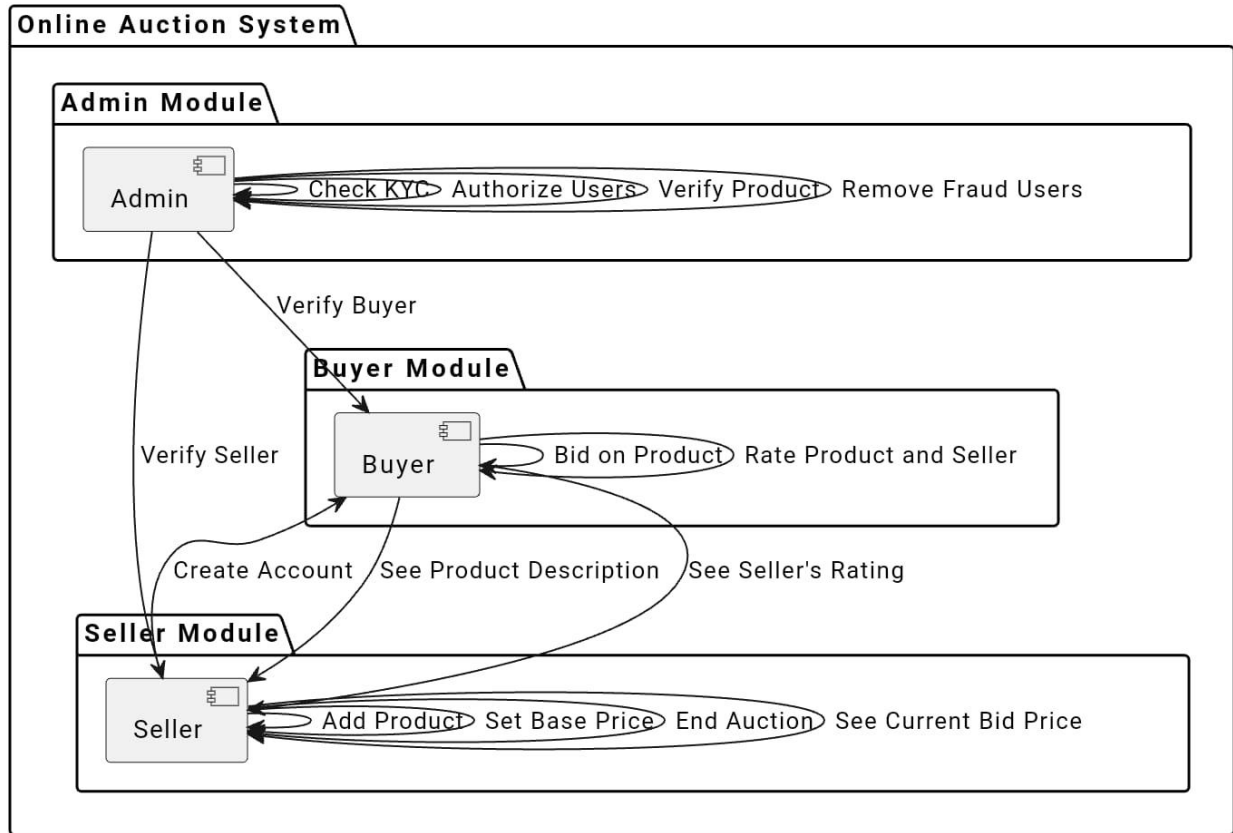
- **ADMIN ACTIVITY DIAGRAM:**



## 6.7. Deployment diagram:



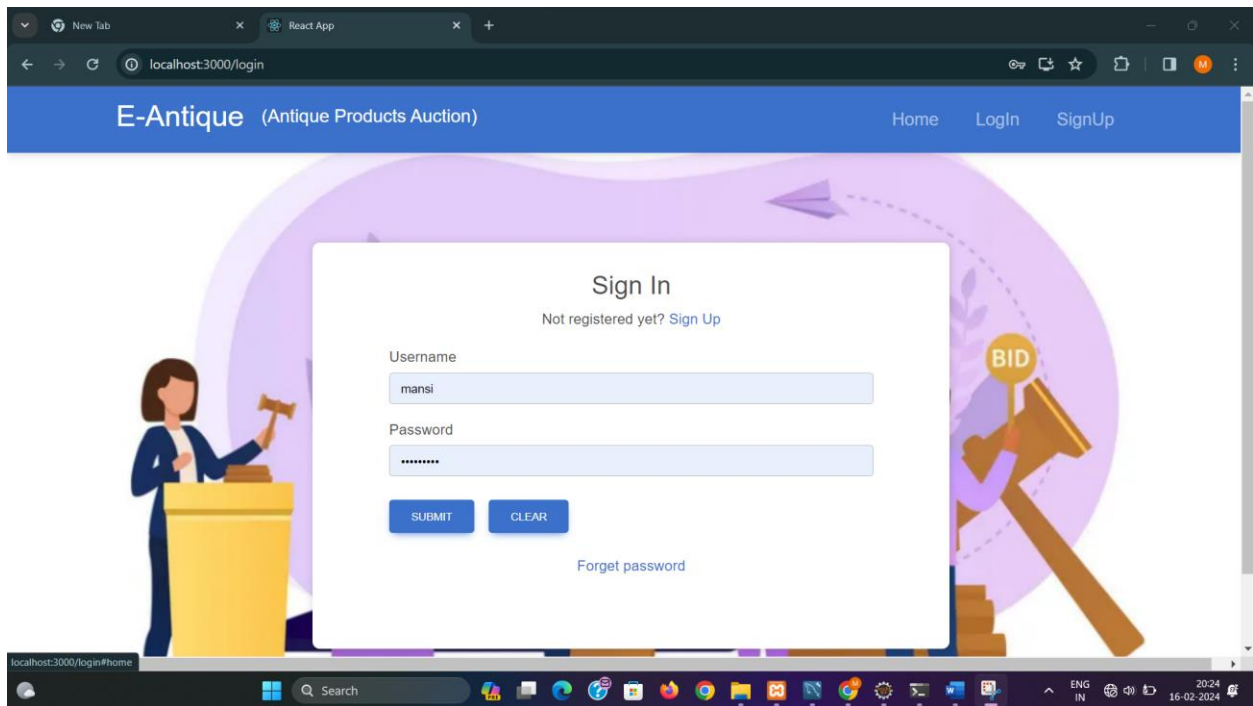
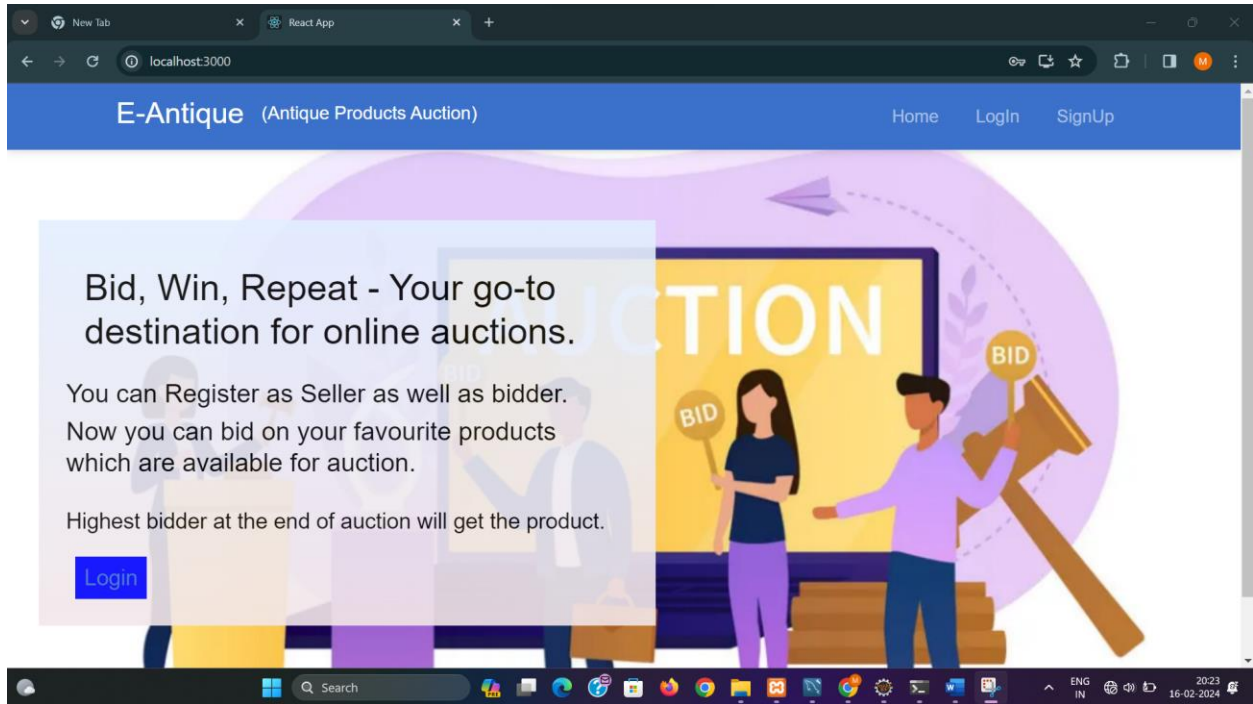
## 6.8. System Architecture



## 7. Test Cases:

Test Case ID	Test Case Description	Test Steps	Expected Result	Pass/Fail
TC001	User Registration	1. Navigate to the registration page. 2. Enter valid user details. 3. Submit the registration form.	User is successfully registered, and a confirmation message is displayed.	Pass
TC002	User Login	1. Navigate to the login page. 2. Enter valid credentials. 3. Click on the login button.	User is successfully logged in, and the system redirects to the user's dashboard.	Pass
TC003	Create Auction Listing	1. Log in as a seller. 2. Fill ADD FORM	Request is successfully sent to admin	Pass
TC004	See All Ongoing Auction which seller created	1. Log in as a seller. 2. Navigate to an "Ongoing Auction".	List of ongoing auctions display	Pass
TC005	See all sold products Of seller	1. Log in as a seller 2. Navigate to an "Product Sold".	List of all sold products display	Pass
TC006	Test Case ID	Test Case Description	Bid is successfully placed, and the bid amount is updated in real-time.	PASS
TC007	TC001	User Registration	List of all purchased product will be shown	PASS
TC008	TC002	User Login	User is approved	PASS
TC009	TC003	Create Auction Listing	Product is approved	PASS
TC010	TC004	See All Ongoing Auction which seller created	USER IS Logout	PASS
		1.		
		2.		
		3.		
		4.		
		5.		
		6.		
		7.		
		8.		
		9.		

## 8 Screenshots:



New Tab x React App x +

localhost:3000/signup/seller\_registration

E-Antique (Antique Products Auction) Home Login SignUp

REGISTER AS BIDDER REGISTER AS SELLER

### Sign Up

Already registered? Sign In

#### You are Registering as Seller

First Name: <input type="text" value="Enter Fname"/>	Gender: <input type="text" value="Select Gender"/>
Last Name: <input type="text" value="Enter Last Name"/>	Pan Card No <input type="text" value="Enter Pan card no"/>
Email address <input type="text" value="Email Address"/>	Pan card Images <input type="text" value="Choose file"/> <input type="text" value="No file chosen"/>
Mobile <input type="text" value="Enter Mobile Num"/>	Security Question <input type="text" value="Select Question"/>
State <input type="text" value="Select State"/>	Answer <input type="text" value="Enter Answer"/>
City <input type="text" value="Enter city Name"/>	UserName <input type="text" value="mansi"/>

New Tab x React App x +

localhost:3000/seller\_home/add\_product

Auction App Home Add Product Approved Products Ongoing Auctions Products Sold Logout Welcome

### Add Product Information

You will receive product approval within 1 day

Product Name

Product Category

Description

Product Image 1

Product Image 2

Product Image 3



React App

localhost:3000/bidder\_home/my\_bids

Auction App Home Products My Bids Products Purchased Logout

Welcome akshay wagh


## My Bids

**Pokemon cards**

Category : comics or cards limited edition

Auction End Date: 2024-02-16

Your Bidding(Rs.): 1040400



Currently you are highest bidder for this product


Highest Bidding(Rs.): 1040400

**coins**

Category : antique

Auction End Date: 2024-02-18

Your Bidding(Rs.): 52020



Currently you are highest bidder for this product

Highest Bidding(Rs.): 52020

Search

20:57 16-02-2024

React App

localhost:3000/bidder\_home/home

Auction App Home Products My Bids Products Purchased Logout

Welcome Atish Walunj

## Auctions Ended

Product Name: Monalisa 8888

Category Name: painting


Product Description: monalissaaaaaa

Seller Name: mansi wagh

Base Price: 8523700

Seller Mobile Number: 9309385221

Seller Email: abc@gmail.com



**You Won the Bid**


Final Bid Price: 8523700

Payment status: payment done

Payment is done.

Your Delivery is On the way.

If you are Highest bidder at the end of auction you will get the product.



Search

20:55 16-02-2024

New Tab

React App

+

localhost:3000/admin\_home/ongoing\_auctions

Auction App

Home

Products

Users

Sold

Ongoing

Logout

Welcome Random Person

Ongoing Auctions


Product Name:Pokemon cards

Category : comics or cards limited edition

Description : pokemon series 1 special,cards

Base Price: Rs. 999999

Seller Name: mansi wagh



Start Date: 2024-02-15

End Date: 2024-02-16

Current Highest Bid(Rs.): 1040400


Highest Bidder Name: akshay wagh

Rs. 1040400

Next Bid Ammount(Rs.) : 1061208

Product Name:coins

Category : antique



Start Date: 2024-02-16

End Date: 2024-02-18

New Tab

React App

+

localhost:3000/admin\_home/products\_approval

Auction App

Home

Products

Users

Sold

Ongoing

Logout

Welcome Random Person

Pending Products for Approval


Product Name: Egyptian Artifact

Product Description: Rare Egyptian Artifact Now Available for auction

Product Category: artefact


BasePrice : ₹ 600000

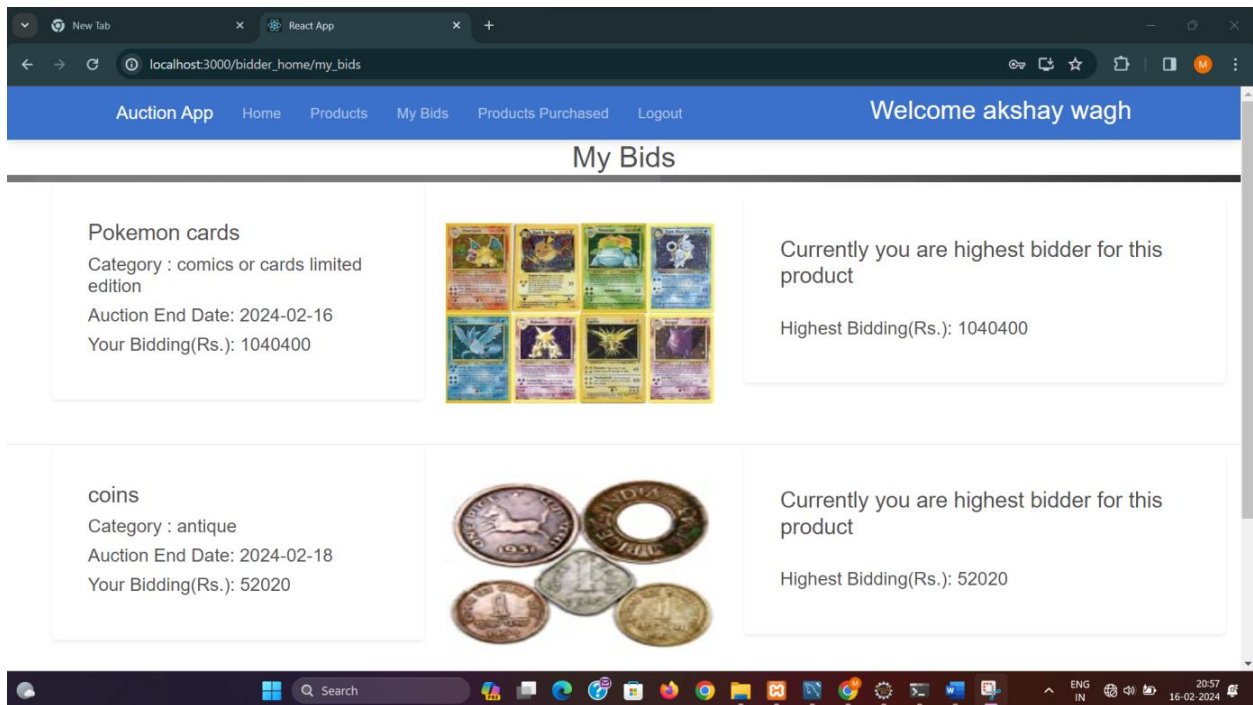
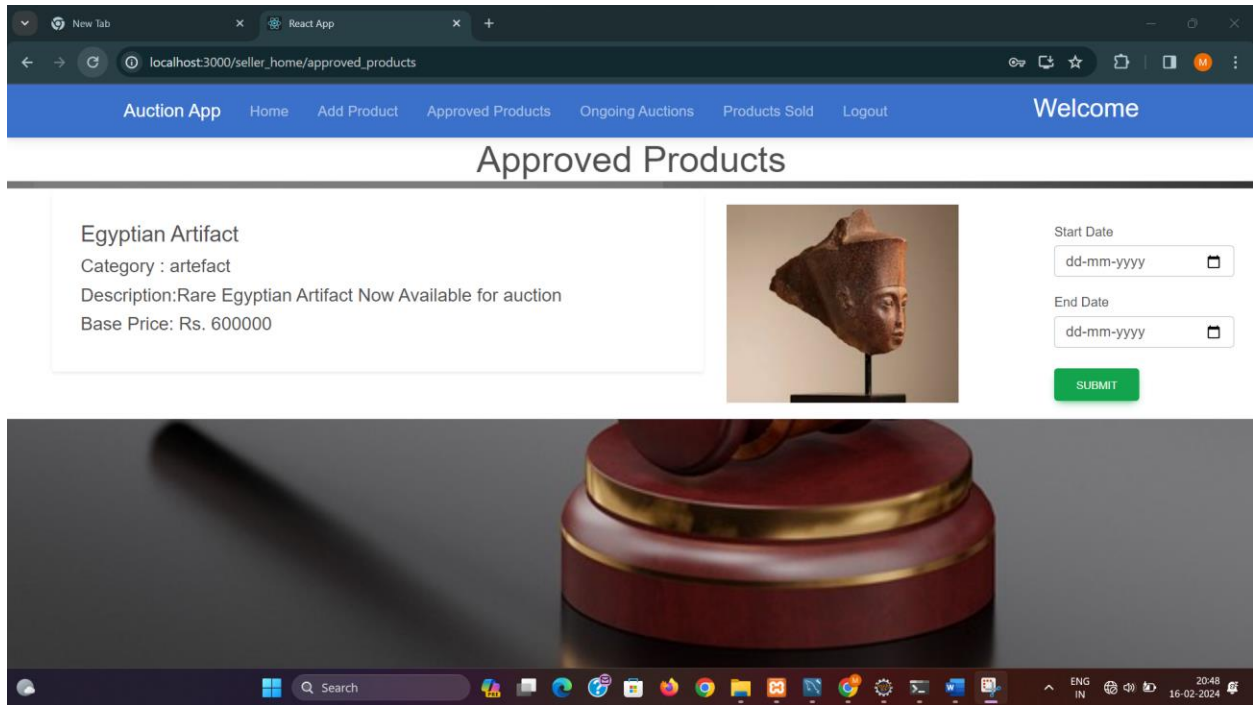
Seller Name: mansi wagh



APPROVE

DENY





coins

Category :antique

Description: coins in 1802020 century

Base Price: Rs.50000

Current Highest Bid: 52020

Highest Bidder Name: akshay wagh

Rs 52020

Next Bid Ammount(Rs.) : 53060

Product Name : dhoni jersey

Product Category : Signed Memorabilia

Description: dhoni chennai jersey

Base Price: Rs. 999999

Current Highest Bid: 1020000

Highest Bidder Name: sahil ambedkar

Rs. 1020000

Next Bid Ammount(Rs.) : 1040400

BID

Auction App

Home

Add Product

Approved Products

Ongoing Auctions

Products Sold

Logout

Welcome

Sold Products

Product Name: Monalisa 8888

Product Category: painting

Product Description: monalissaaaaaaaaaaaaa

Product Base Price(Rs.): 8523700

Product Purchased at(Rs.): 8523700

Bidder Name: akshay wagh

Bidder Mobile Number: 9370458965

Auction Start Date : 2024-02-14

Auction End Date : 2024-02-15

Feedback:

25

## 9. References:

1. <https://www.ebay.com>
2. <https://www.ebid.net>
3. <https://salasarauction.com>
4. 'People no longer go into antiques shops'-  
<https://www.bbc.com/news/business-45186811>