

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



Under the Guidance of
SAVITA VAIDYA

BY
WAGH AKSHAY (PRN-230945920113)
WALUNJ ATISH (PRN-230945920115)
SAYYED SHARUKH (PRN-230945920087)
SAVEKAR SAURABH (PRN-230945920085)
AMBADKAR SAHIL (PRN-230945920080)



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-ANTIQUUE 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:

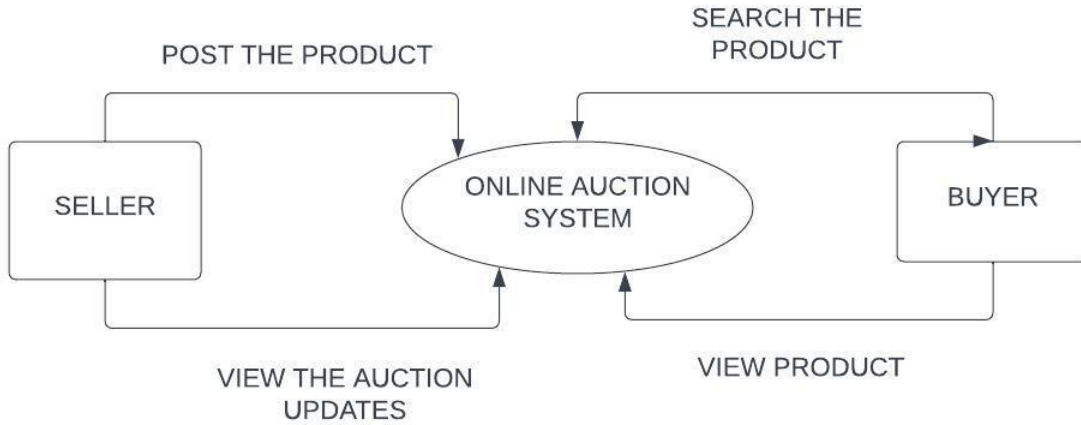
- Processor: Minimum 1 GHz; Recommended 2GHz or more
- Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)
- Hard Drive: Minimum 32 GB; Recommended 64 GB or more
- Memory (RAM): Minimum 1 GB; Recommended 4 GB or above

5.2. S/W Requirements:

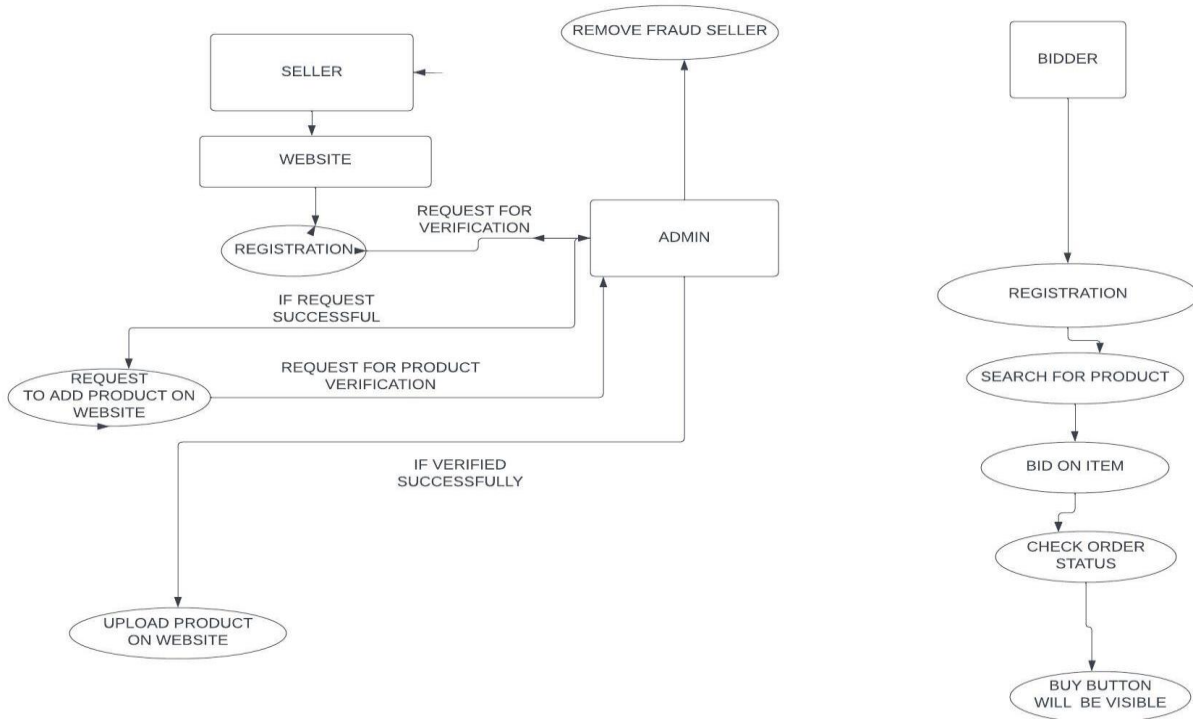
- Firefox browser
- Chrome browser
- Front End Technologies: 1. React.js · 2.Bootstrap · 3. HTML5 · 4. CSS ·
5. JavaScript
- Backend Technologies : 1. Java · 2. Spring Boot· 3. Hibernate · 4. MySql·

6 UML Diagram

6.1 DFD:

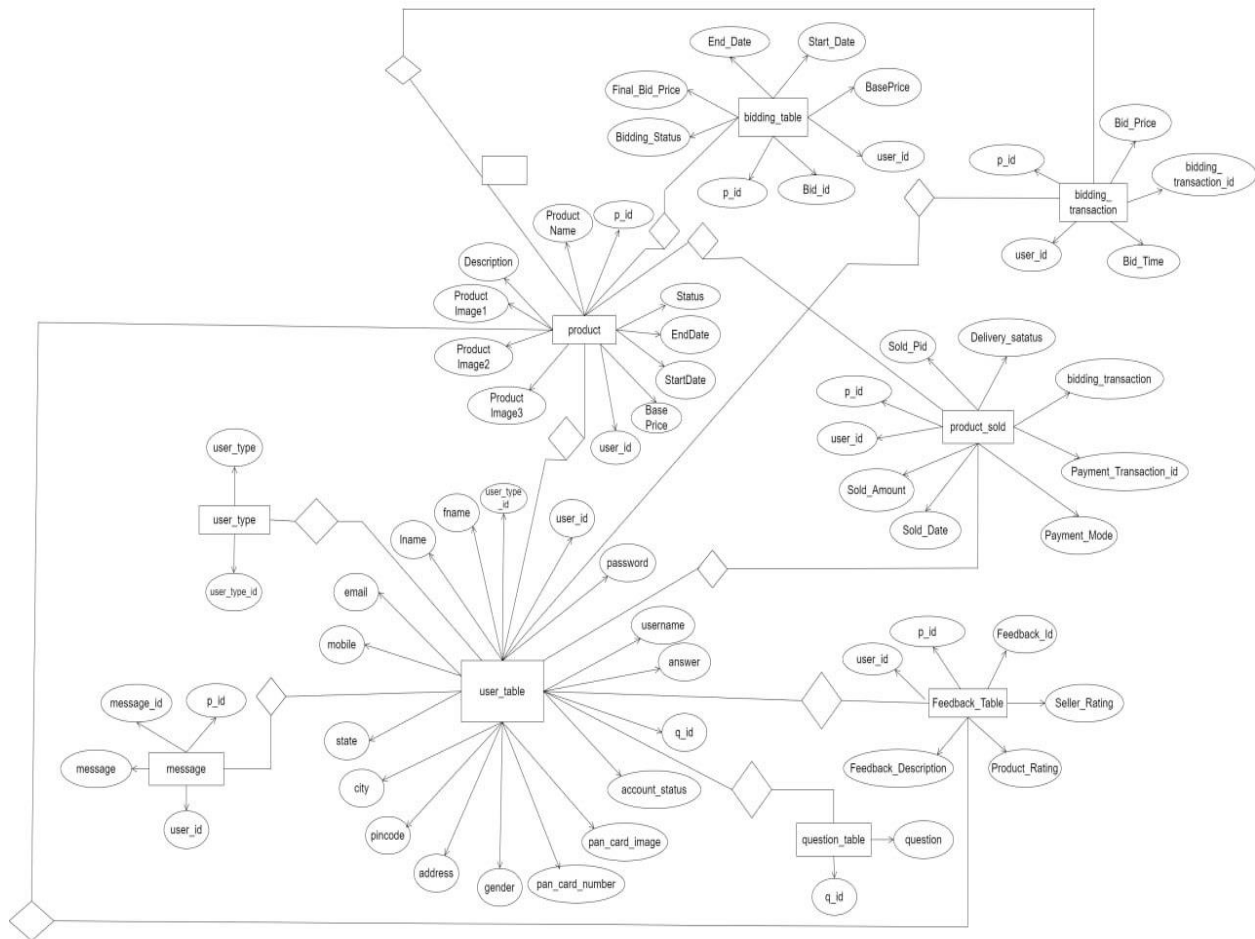


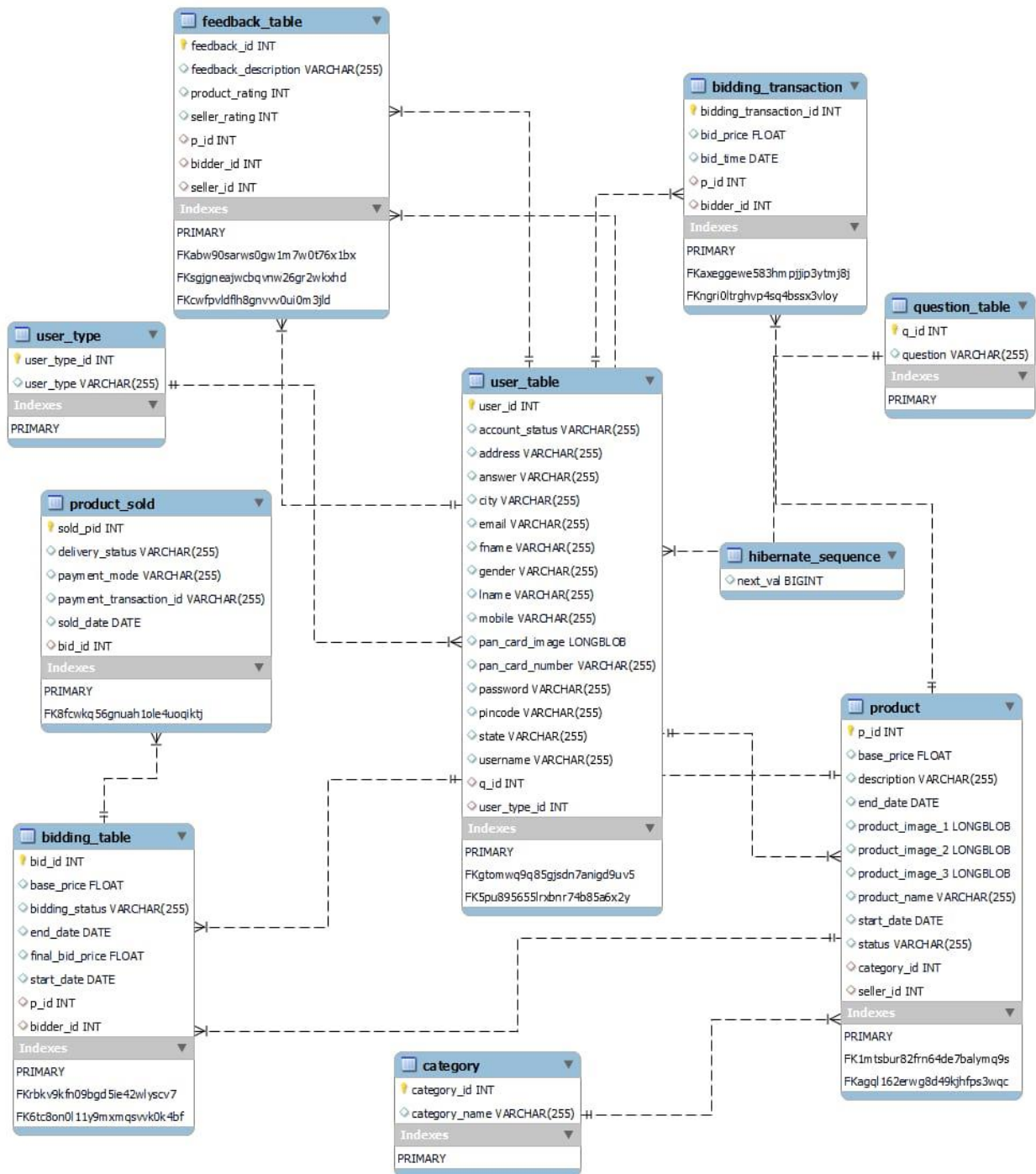
DFD LEVEL 0



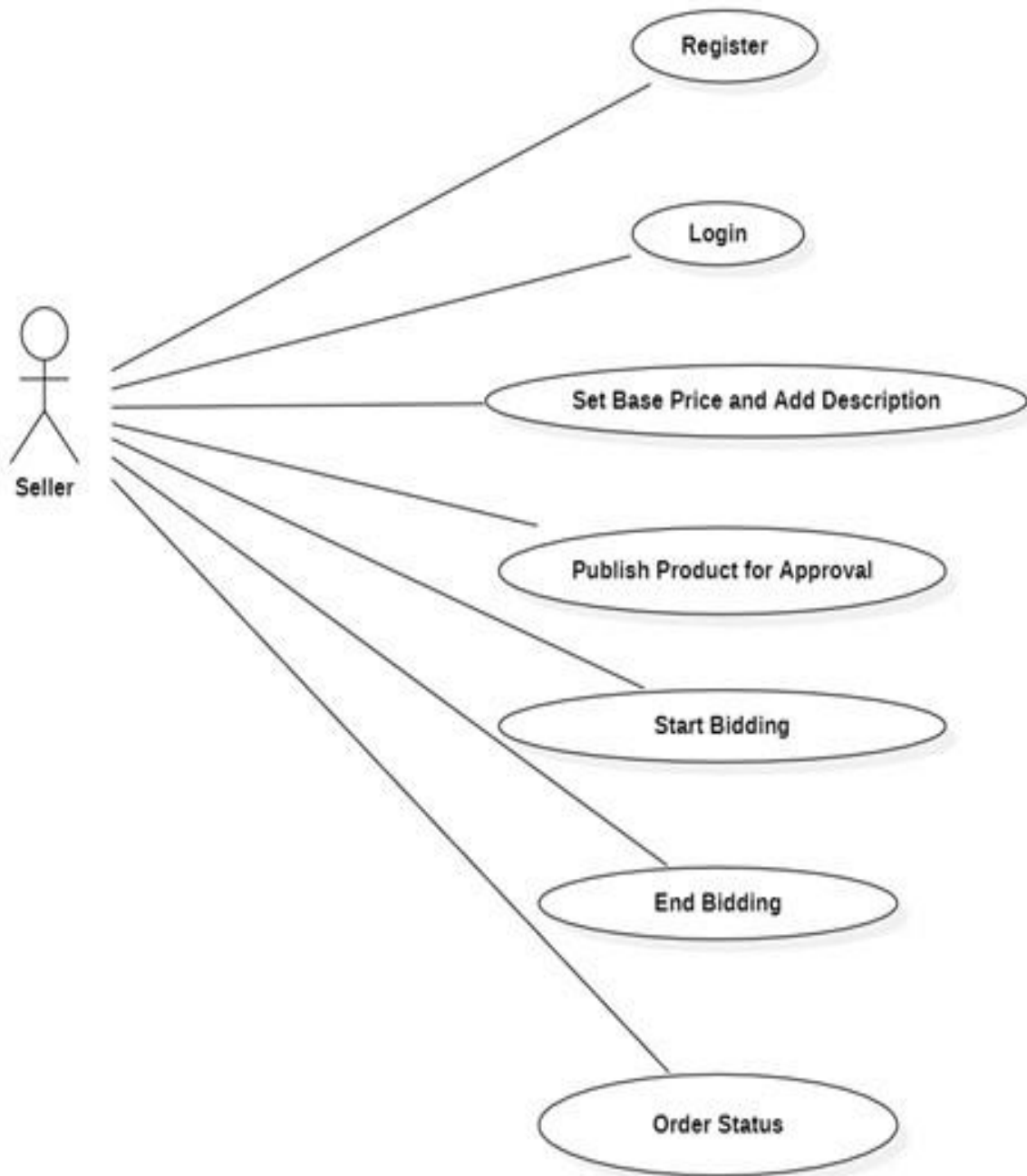
DFD LEVEL 1

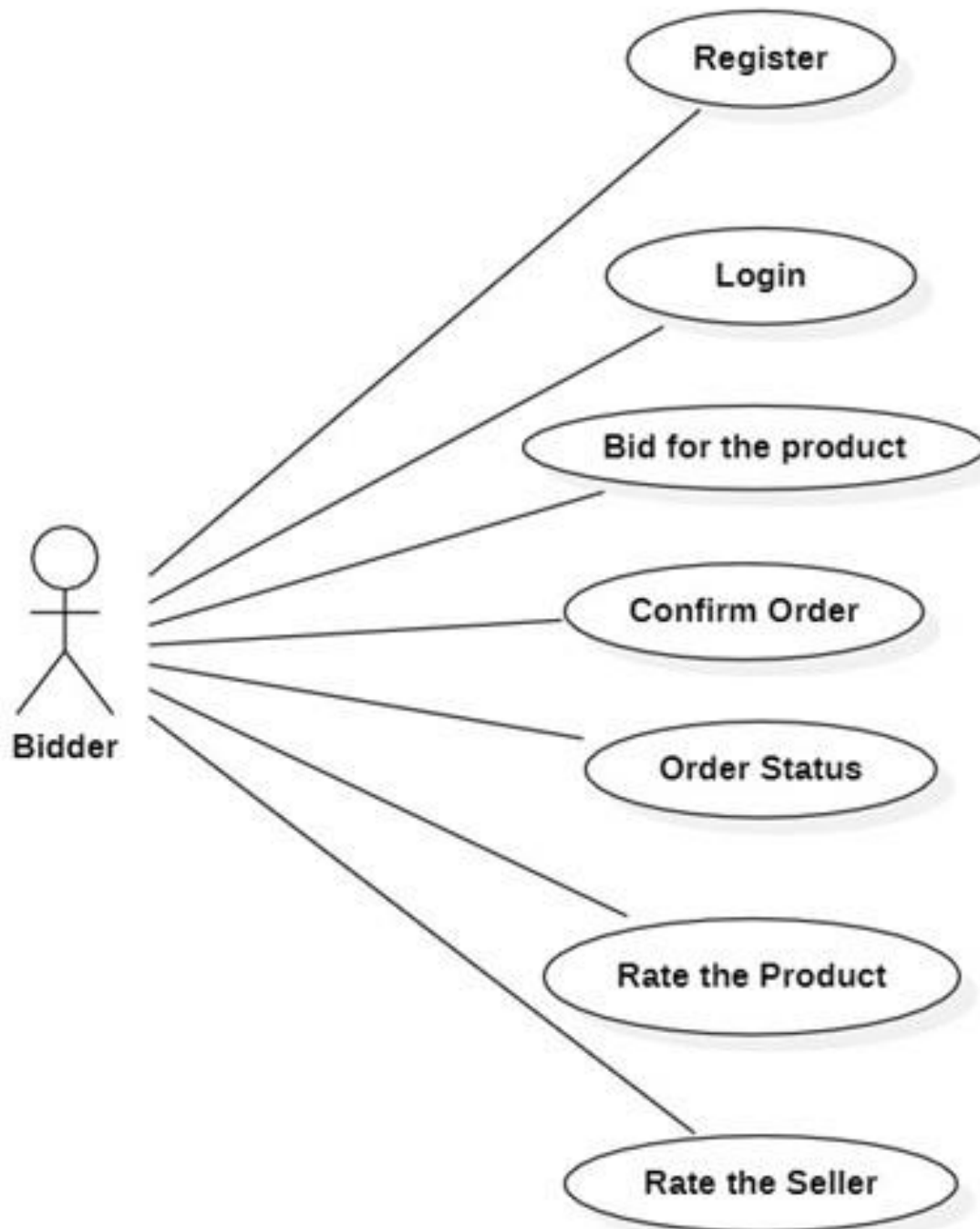
6.2 ERD :

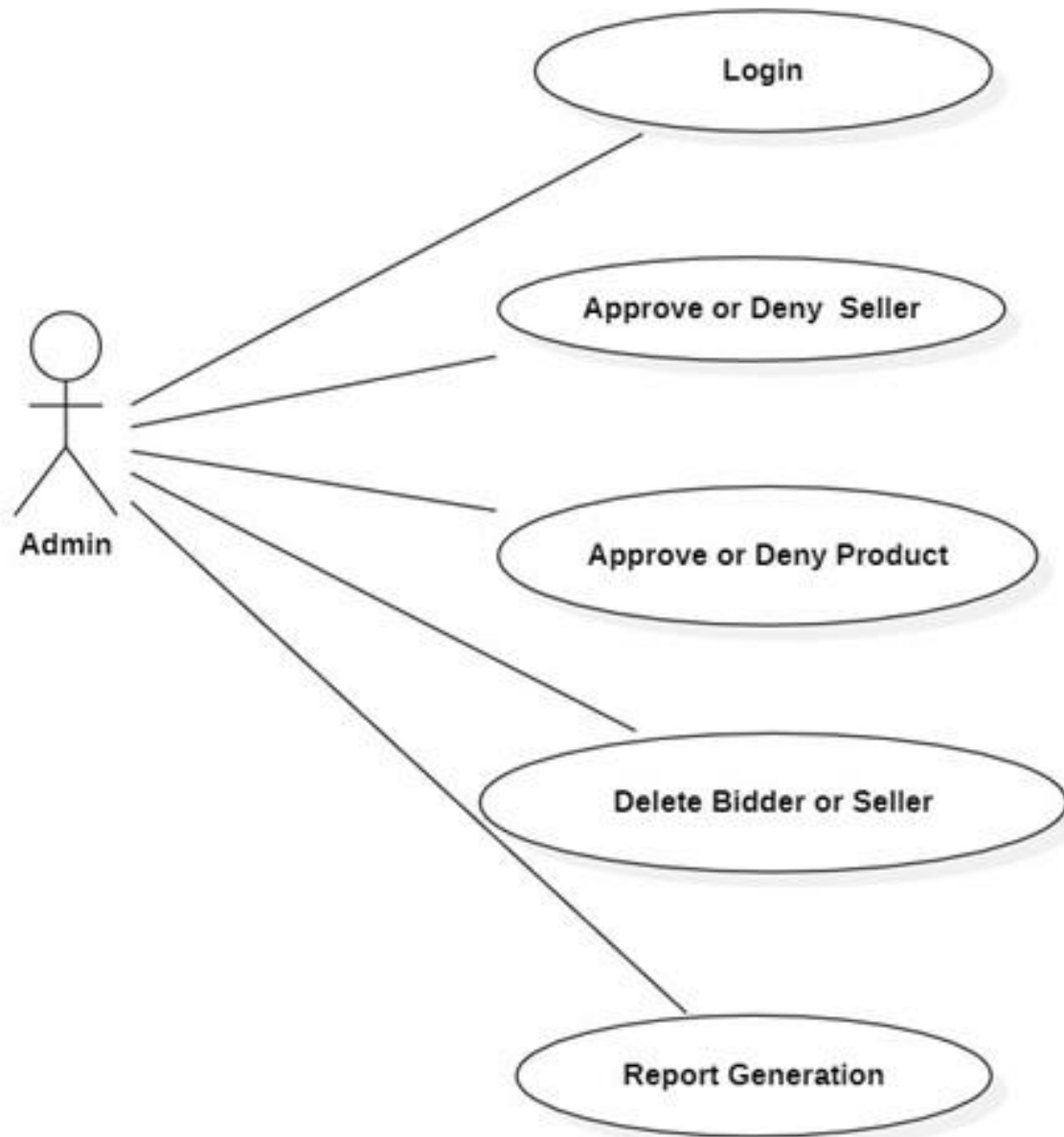




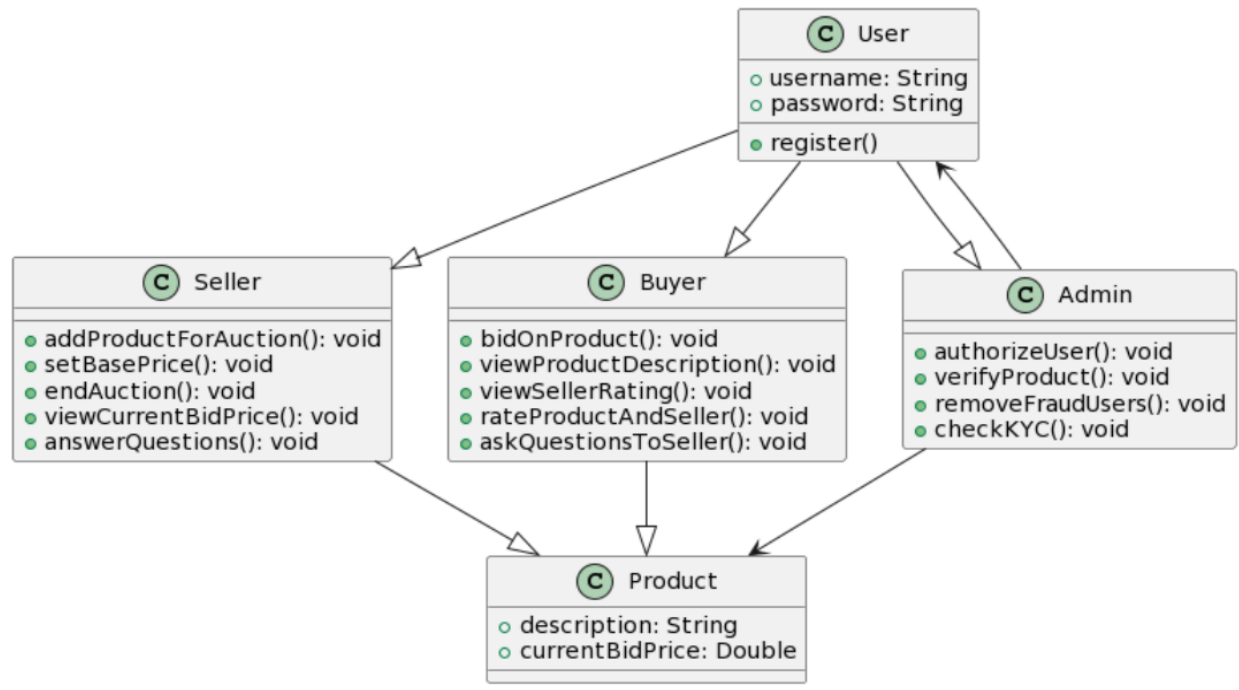
6.3 Use case diagram:



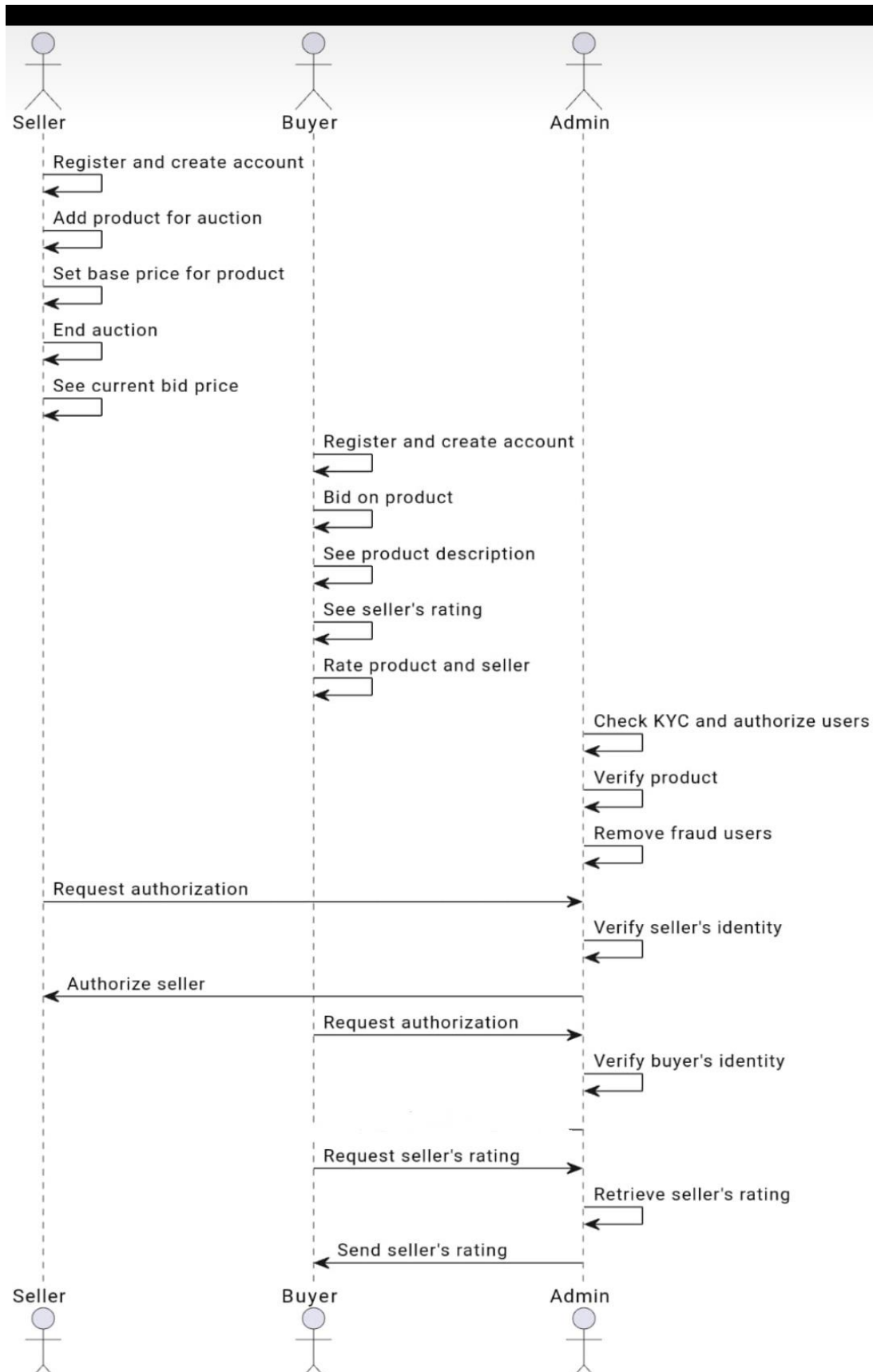




6.4 Class Diagram:



6.5 Sequence diagram:

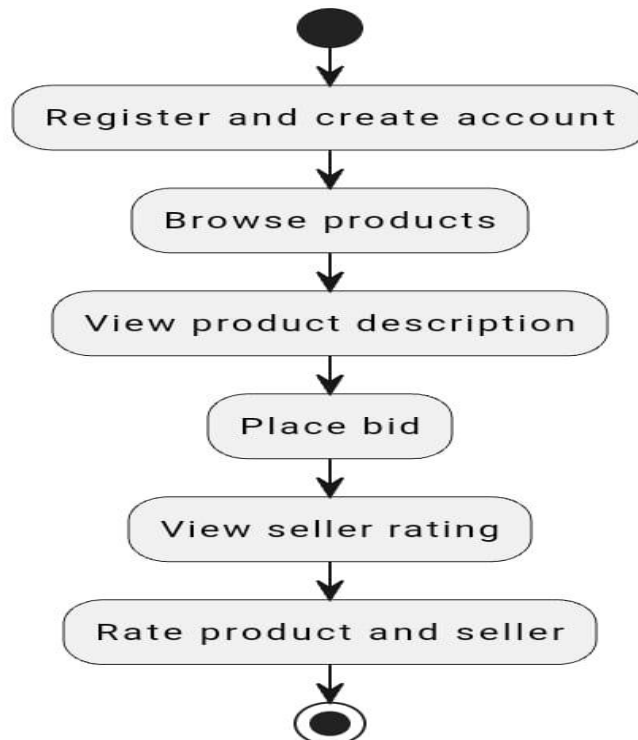


6.6 Activity Diagram:

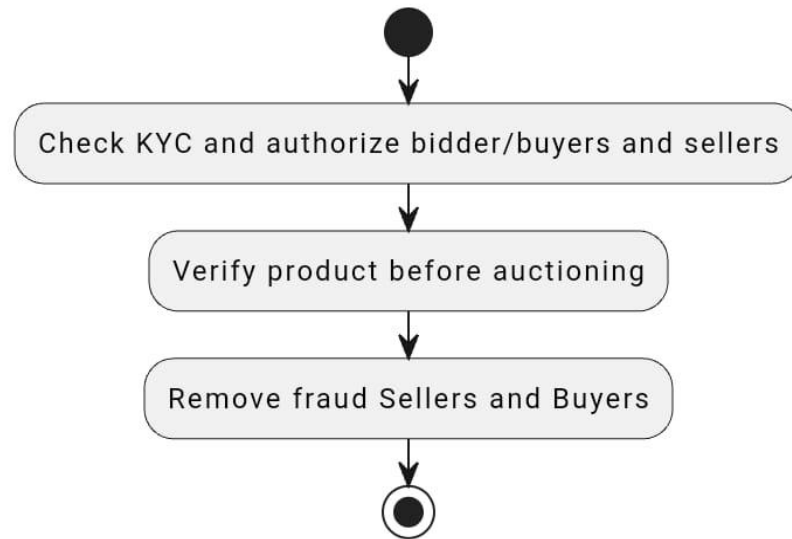
- **SELLER ACTIVITY DIAGRAM :**



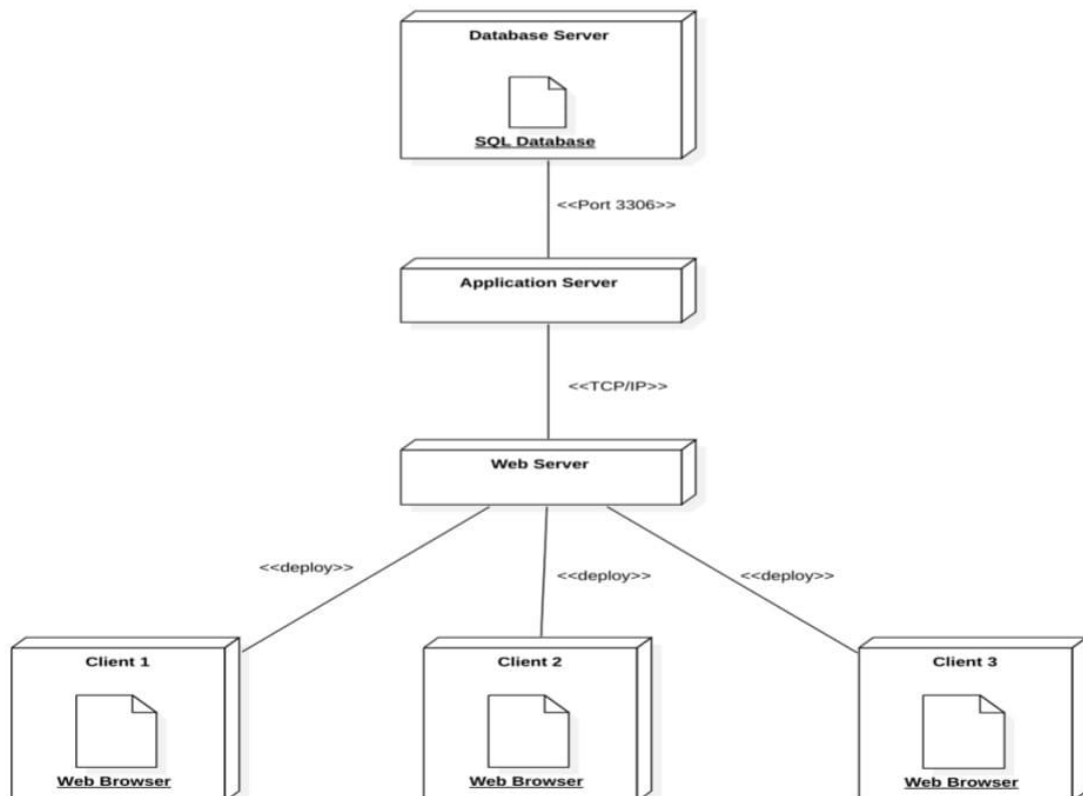
- **BUYER ACTIVITY DIAGRAM:**



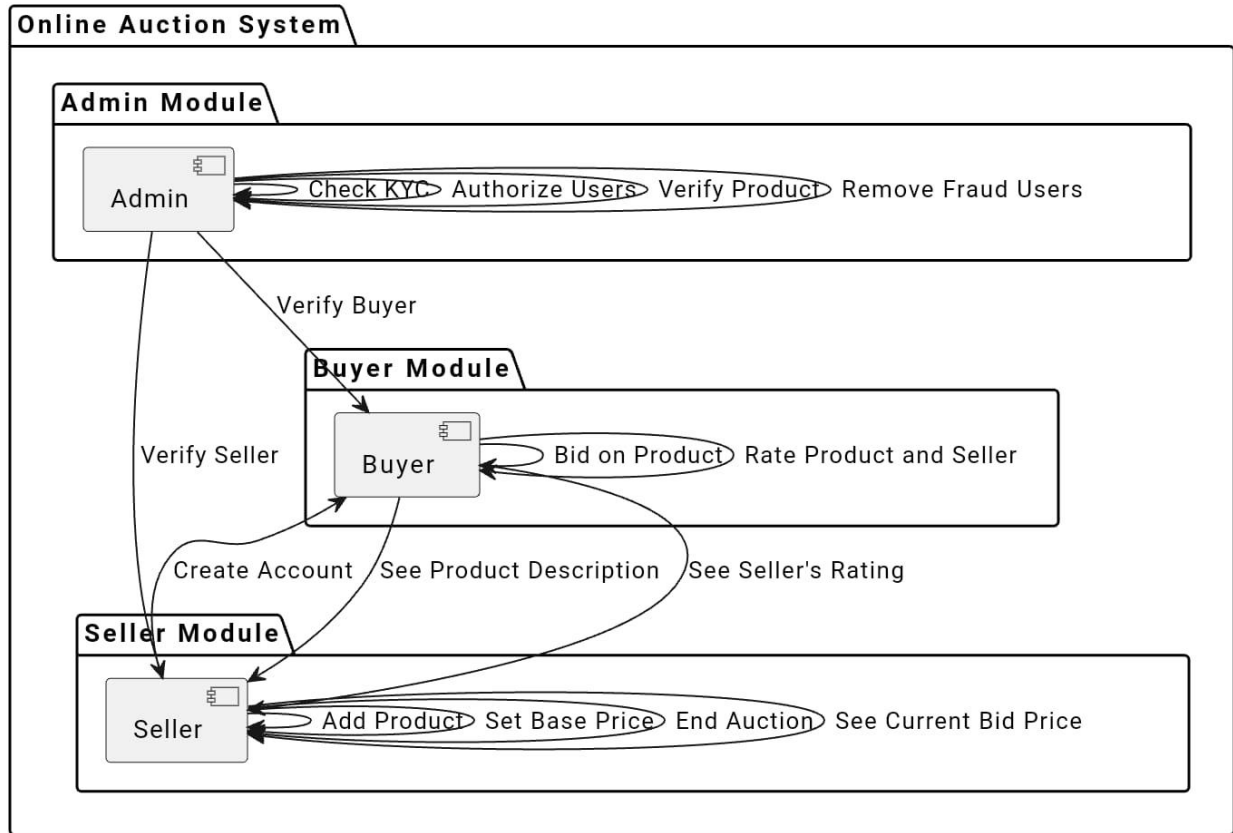
- **ADMIN ACTIVITY DIAGRAM:**



6.7. Deployment diagram:



6.8. System Architecture

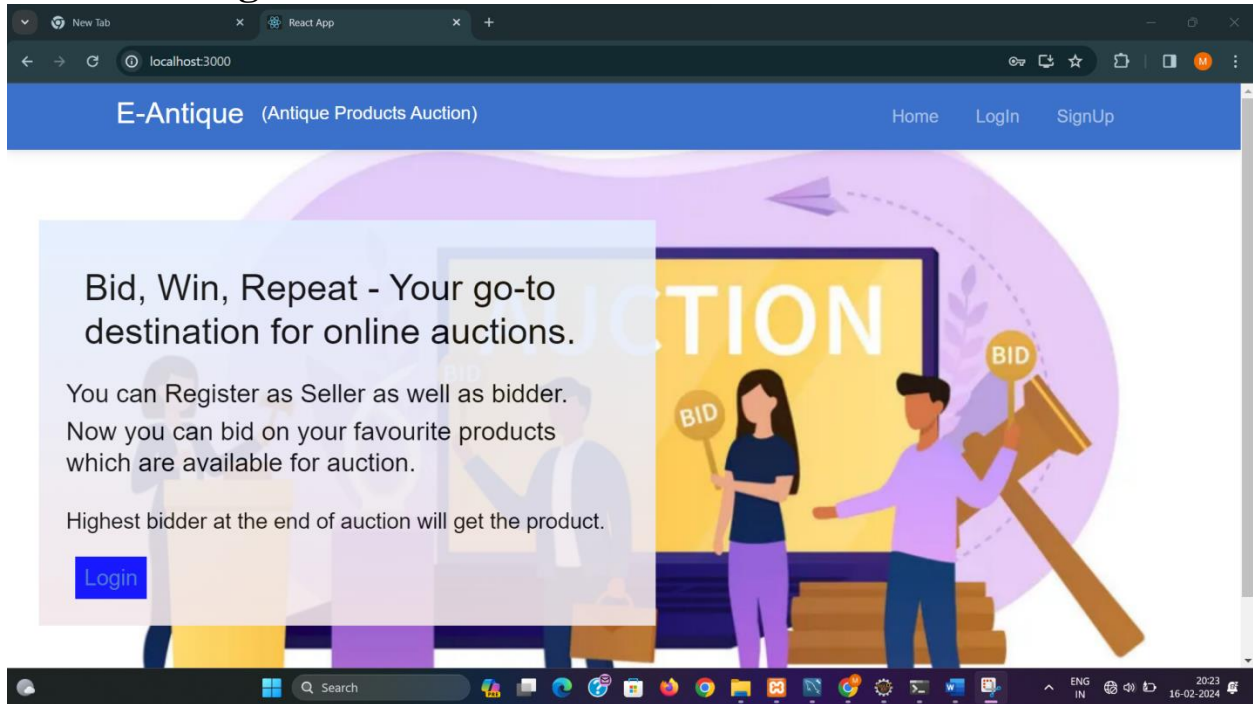


7. Test Cases:

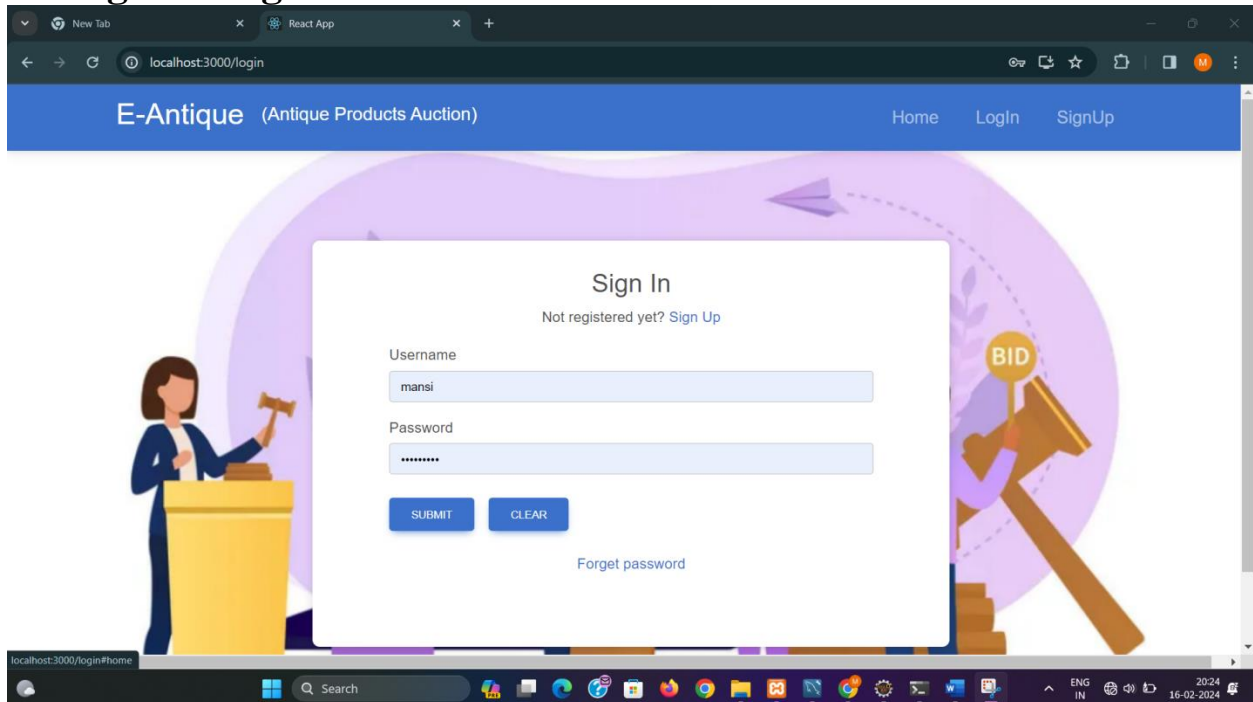
Test Case ID	Test Case Description	Test Steps	Expected Result	Pass/Fail
TC001	User Registration	1. Navigate to the registration page. 2. Enter valid user details. 3. Submit the registration form.	User is successfully registered, and a confirmation message is displayed.	Pass
TC002	User Login	1. Navigate 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

8 Screenshots:

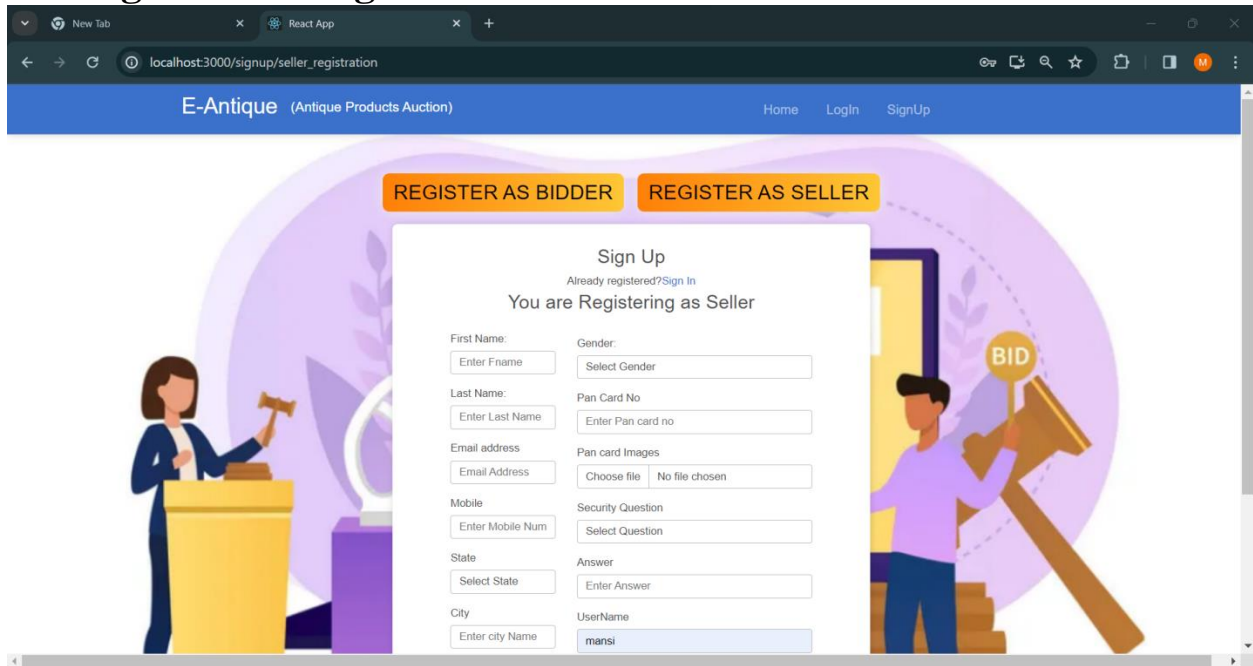
8.1 Home Page:



8.2 Sign In Page:



8.3 Registration Page:



The screenshot shows a web browser at localhost:3000/signup/seller_registration. The page has a blue header with 'E-Antique (Antique Products Auction)' and links for 'Home', 'Login', and 'SignUp'. Two orange buttons, 'REGISTER AS BIDDER' and 'REGISTER AS SELLER', are at the top. The 'REGISTER AS SELLER' button is active, leading to a 'Sign Up' form titled 'You are Registering as Seller'. The form includes fields for First Name, Last Name, Email address, Mobile, State, City, Gender, Pan Card No, Pan card Images, Security Question, Answer, and Username. The 'Username' field is pre-filled with 'mans'. The background features an illustration of a woman at an auctioneer's podium and a man holding a 'BID' sign.

Sign Up
Already registered? [Sign In](#)

You are Registering as Seller

First Name:

Gender:

Last Name:

Pan Card No:

Email address:

Pan card Images:

Mobile:

Security Question:

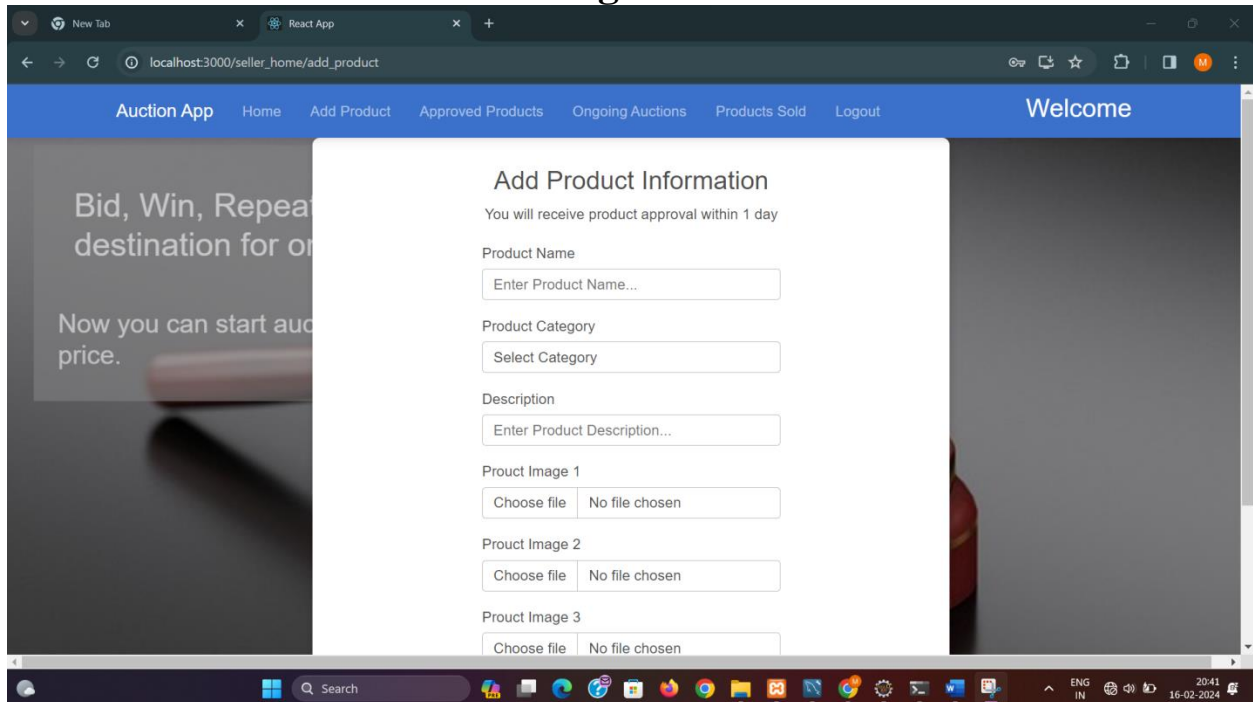
State:

Answer:

City:

UserName:

8.4 Add Product Information Page:



The screenshot shows a web browser at localhost:3000/seller_home/add_product. The page has a blue header with 'Auction App' and links for 'Home', 'Add Product', 'Approved Products', 'Ongoing Auctions', 'Products Sold', and 'Logout'. A 'Welcome' message is on the right. The main content area is titled 'Add Product Information' and includes a message: 'You will receive product approval within 1 day'. The form has fields for Product Name, Product Category, Description, and three Product Image fields (1, 2, and 3). Each image field has a 'Choose file' button and a 'No file chosen' status. The background features a dark image with text: 'Bid, Win, Repeat destination for on' and 'Now you can start auc price.'.

Add Product Information
You will receive product approval within 1 day

Product Name:

Product Category:

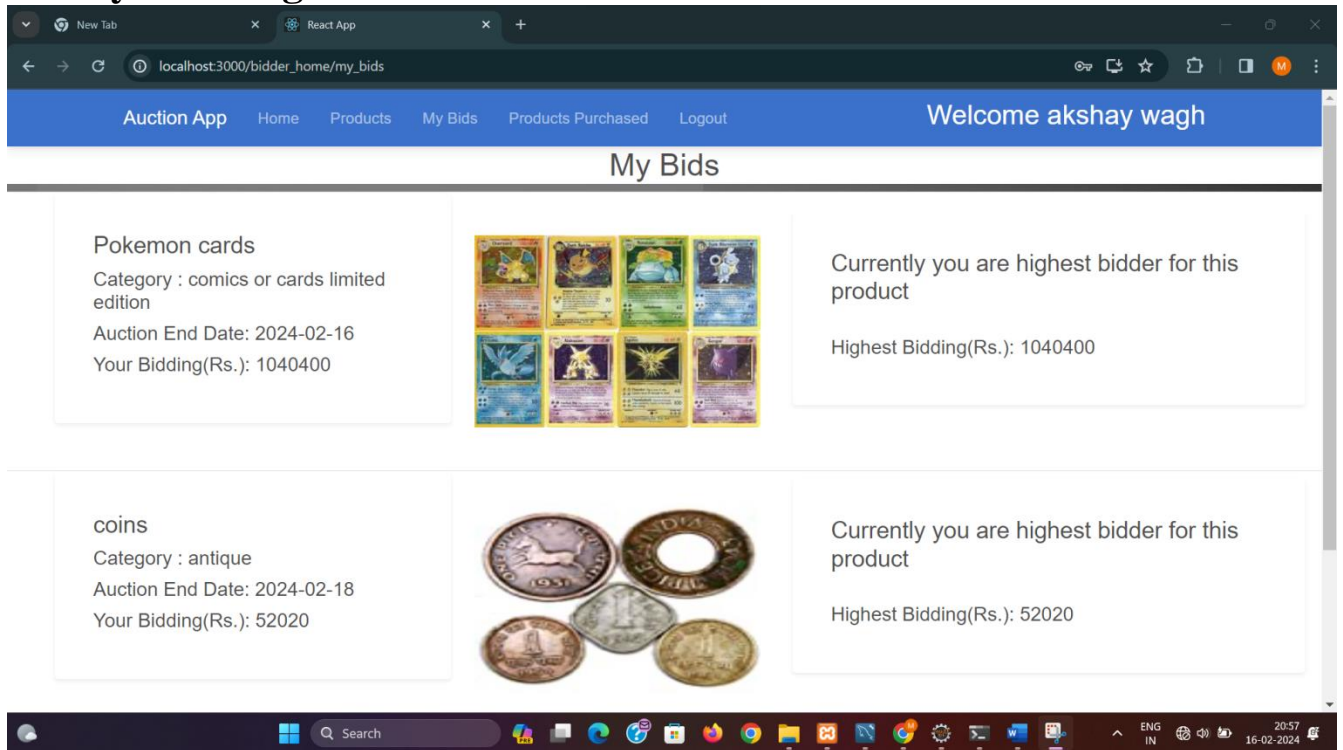
Description:

Product Image 1:

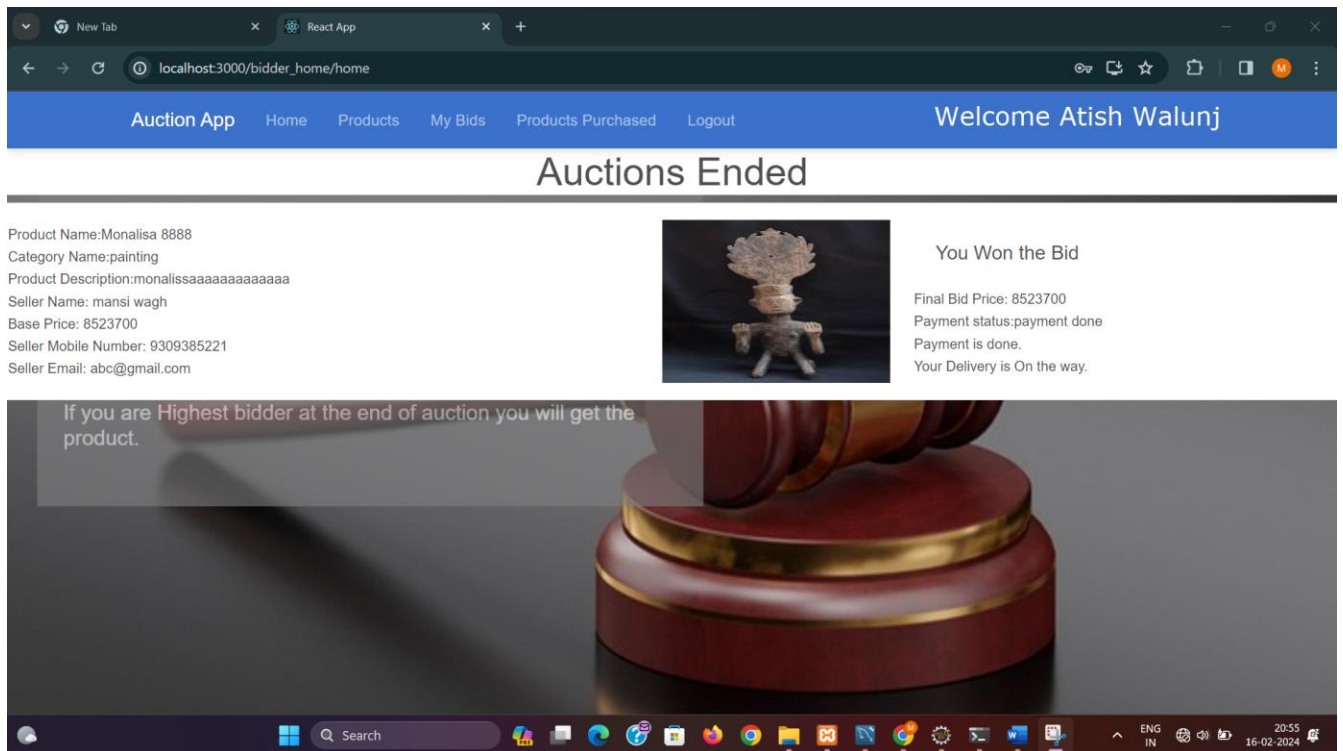
Product Image 2:

Product Image 3:

8.5 My Bids Page:



8.6 Auction Ended Page:





8.7 Ongoing Auctions Page:

localhost:3000/admin_home/ongoing_auctions

Auction App Home Products Approval Users Approval Sold Products Ongoing Auctions Logout Welcome Random Person

Ongoing Auctions


Product Name:Pokemon cards		Start Date: 2024-02-15
Category : comics or cards limited edition		End Date: 2024-02-16
Description : pokemon series 1 special,cards		Current Highest Bid(Rs.): 1040400
Base Price: Rs. 999999		Highest Bidder Name: akshay wagh Rs. 1040400
Seller Name: mansi wagh		Next Bid Ammount(Rs.) : 1061208
Product Name:coins		Start Date: 2024-02-16
Category : antique		End Date: 2024-02-18


8.8 Pending Products for Approval Page:

localhost:3000/admin_home/products_approval

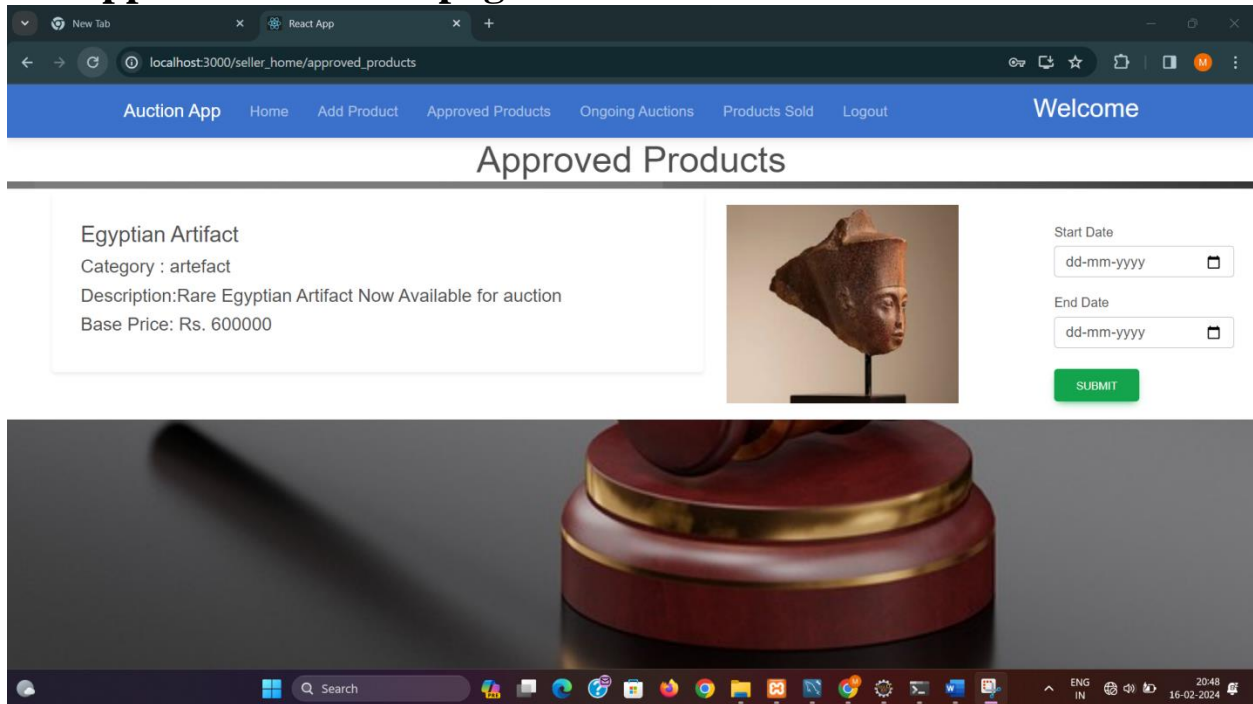
Auction App Home Products Approval Users Approval Sold Products Ongoing Auctions Logout Welcome Random Person

Pending Products for Approval

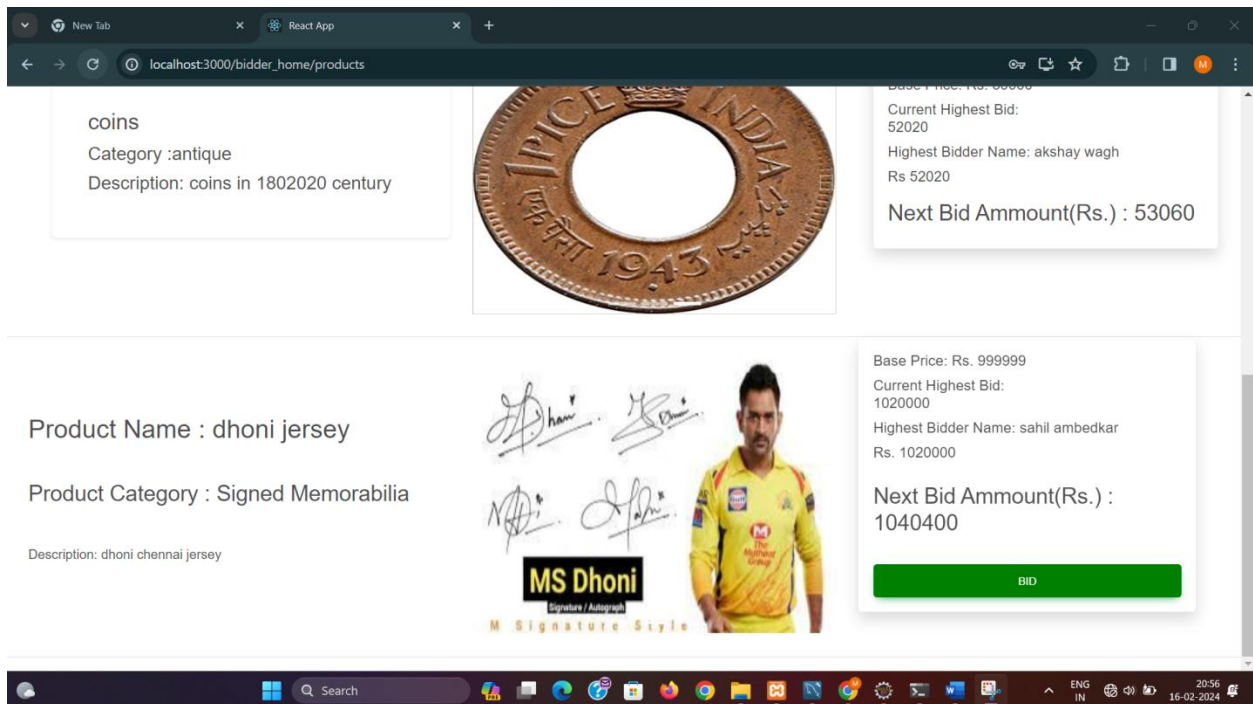
Product Name: Egyptian Artifact		APPROVE DENY
Product Description: Rare Egyptian Artifact Now Available for auction		
Product Category: artefact		
BasePrice : ₹ 600000		
Seller Name: mansi wagh		



8.9 Approved Products page:



8.10



8.11 Sold Products Page:

The screenshot displays a web browser window with the URL `localhost:3000/seller_home/products_sold`. The application header is blue with the title 'Auction App' and navigation links: Home, Add Product, Approved Products, Ongoing Auctions, Products Sold, and Logout. A 'Welcome' message is on the right. The main section is titled 'Sold Products' and features a product listing for 'Monalisa 8888'. The product details are as follows:

- 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

A small image of a golden statue is shown next to the text. To the right of the image, the auction dates are listed: 'Auction Start Date : 2024-02-14' and 'Auction End Date : 2024-02-15', followed by a 'Feedback:' label. Below the product details is a large banner image of a wooden gavel resting on a wooden block. The Windows taskbar at the bottom shows the search bar, various application icons, and the system clock indicating 20:42 on 16-02-2024.

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>