A

SRS REPORT

ON

E-ANTIQUE

ONLINE AUCTION SYSTEM FOR ANTIQUE ITEMS

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.

OBJECTIVE

The main objective of this project is building a website which will help buyers and sellers to participate in auction. Allowing sellers to connect with a global audience. This can lead to increased competition and potentially higher prices for items.

SCOPE

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.

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 auctioneer 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 Auction System could be maintained by Administrator.

OVERVIEW

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 email and password. By visiting the registration page, unregistered members can do so. 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.

Functional Requirement

This section provides a requirement overview of the system. Various functional modules that can be implemented by the system will be:

Online Auction System consists of three modules described as below

- Seller Module
- Bidder Module
- Admin Module

3.1 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

3.2 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

3.3 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.

Non-Functional Requirement:

Performance

The server must be able to support an unlimited number of devices, i.e., it must place no restrictions on the number of gadgets that can be used simultaneously.

A limitless amount of active client payments must be supported by the server, and payments must never be lost.

Security

Sensitive data will always be transmitted with encryption. The system will internally maintain a secure communication channel between servers (web servers, application servers, database servers).

Reliability

The system should be scalable, with the ability to accommodate a large number of users at once.

The site's response time should be as quick as feasible, and it should be able to load balance the server.

Availability

This application is available for 24 hrs anywhere, anytime.

Maintainability

A Commercial database software will be used to maintain System data Persistence.

A readymade Web Server will be installed to host online shopping portal (Web Site) to management server capabilities.

IT operations team will easily monitor and configure the system using Administrative tools provided by Servers.

Separate environments will be maintained for the system for isolation in production, testing, and development.

Efficiency

The system will be able to manage all transactions with isolation.

Accessibility

Without registration user can view products.

Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence we will target the system to support multiple users .

Scalability

- The system should be scalable to accommodate future growth.

BENEFITS

- Online auctions facilitate price discovery by allowing buyers to bid based on their perceived value of an item. The final winning bid reflects the market's assessment of the item's worth.

- Online auctions provide a broader market reach, allowing sellers to connect with a global audience. This can lead to increased competition and potentially higher prices for items.

- Compared to traditional auctions, online auctions can be more efficient. They reduce the time and geographical constraints associated with physical auctions.

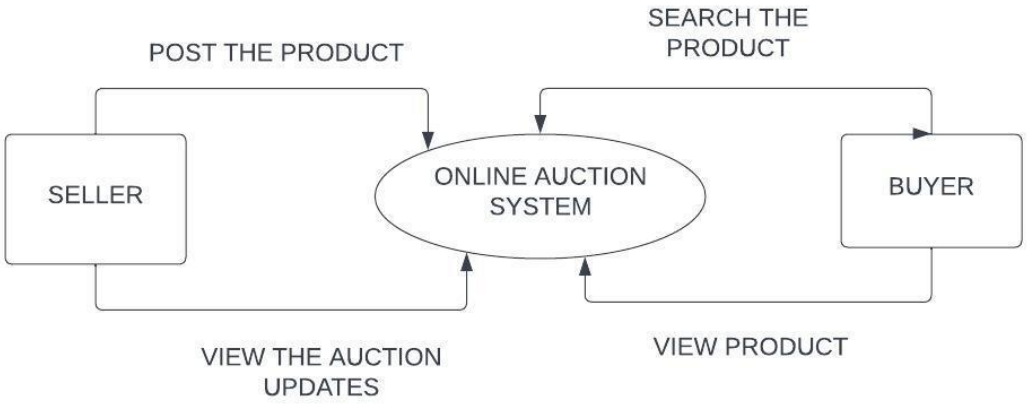
- Online auctions generate a wealth of data that can be analysed to understand buyer behaviour, market trends, and the performance of different items. This information can be valuable for sellers and the auction platform.

- Prices in online auctions can be dynamic, adjusting in real-time based on bidding activity. This allows for a more flexible pricing model compared to fixed-price sales.

- Online auctions can accommodate a wide range of items, from rare collectibles to everyday goods. This diversity attracts a broad audience with varied interests.

- 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.

- **DFD DIAGRAM**



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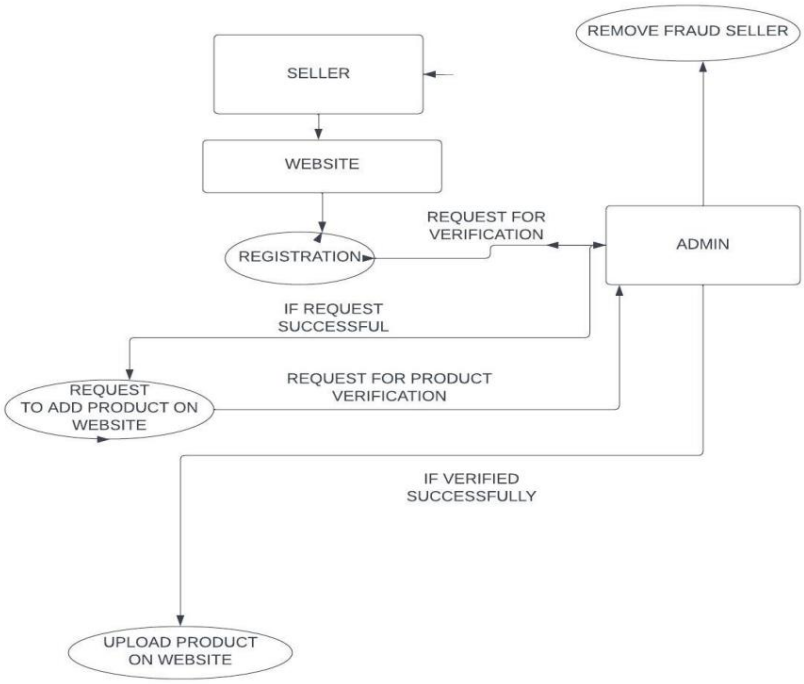
REMOVE FRAUD SELLER
SELLER
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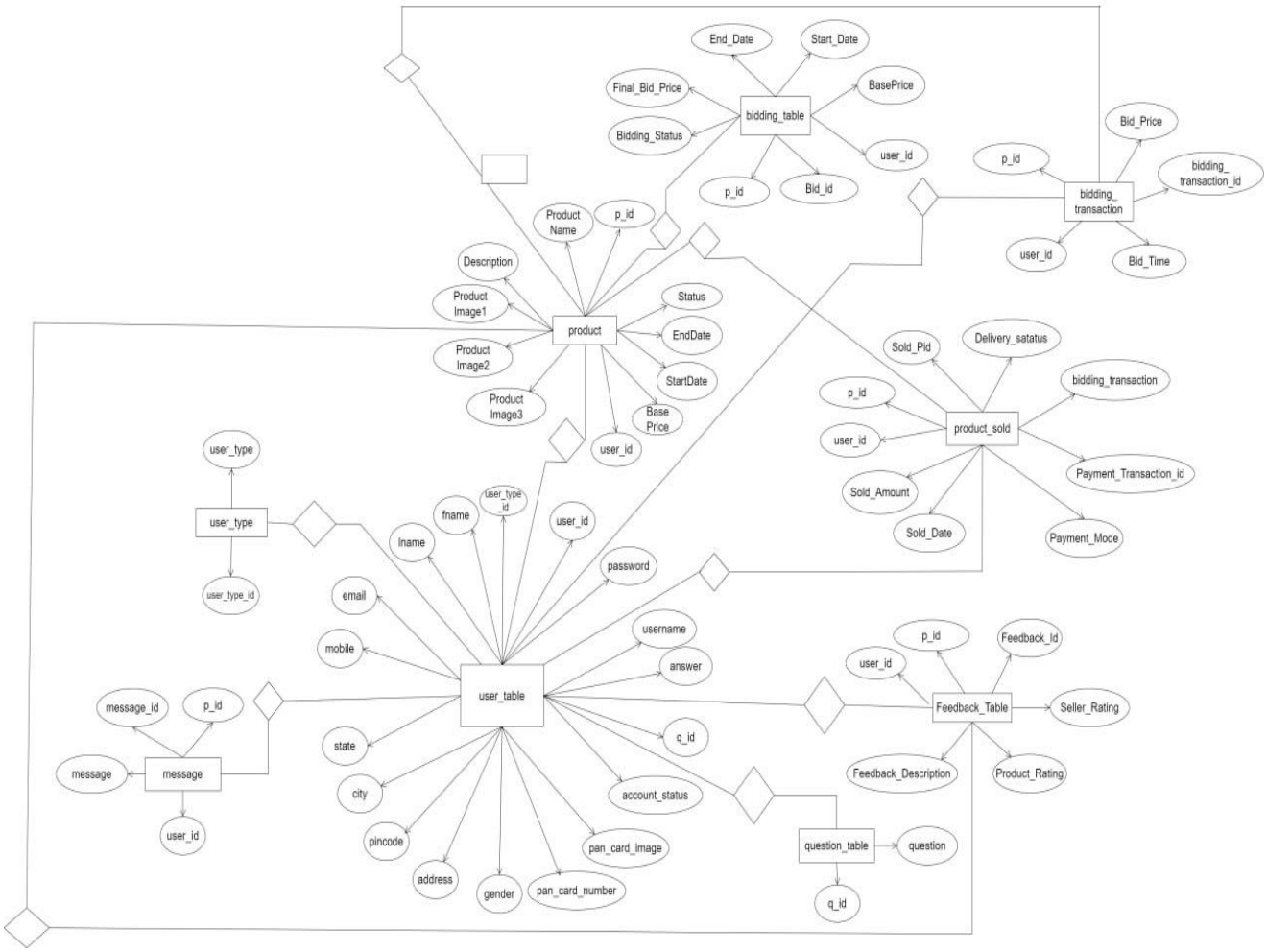
REQUEST FOR
VERIFICATION
REGISTRATION
ADMIN
IF REQUEST
SUCCESSFUL
REQUEST FOR PRODUCT
VERIFICATION
REQUEST
TO ADD PRODUCT ON
WEBSITE
IF VERIFIED
SUCCESSFULLY
UPLOAD PRODUCT
ON WEBSITE


BIDDER
REGISTRATION
SEARCH FOR PRODUCT
BID ON ITEM
CHECK ORDER
STATUS
BUY BUTTON
WILL BE VISIBLE

DFD LEVEL 1

ER DIAGRAM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Start_Date
Final_Bid_Price
BasePrice
bidding_table
Bidding_Status
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p_id
Bid_id
Bid_Price
p_id
bidding_
transaction_id
bidding_
transaction
user_id
Bid_Time
Product
Name
p_id
Description
Product
Image1
Status
product
EndDate
Product
Image2
StartDate
Product
Image3
Base
Price
user_id
Sold_Pid
Delivery_satatus
p_id
bidding_transaction
product_sold
user_id
Payment_Transaction_id
Sold_Amount
Sold_Date
Payment_Mode
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user_type
user_type_id
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user_type
_id
user_id
lname
password
email
mobile
username
answer
user_table
p_id
Feedback_Id
user_id
Feedback_Table
Seller_Rating
message_id
p_id
state
q_id
message
message
Feedback_Description
Product_Rating
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question
address
gender
pan_card_number
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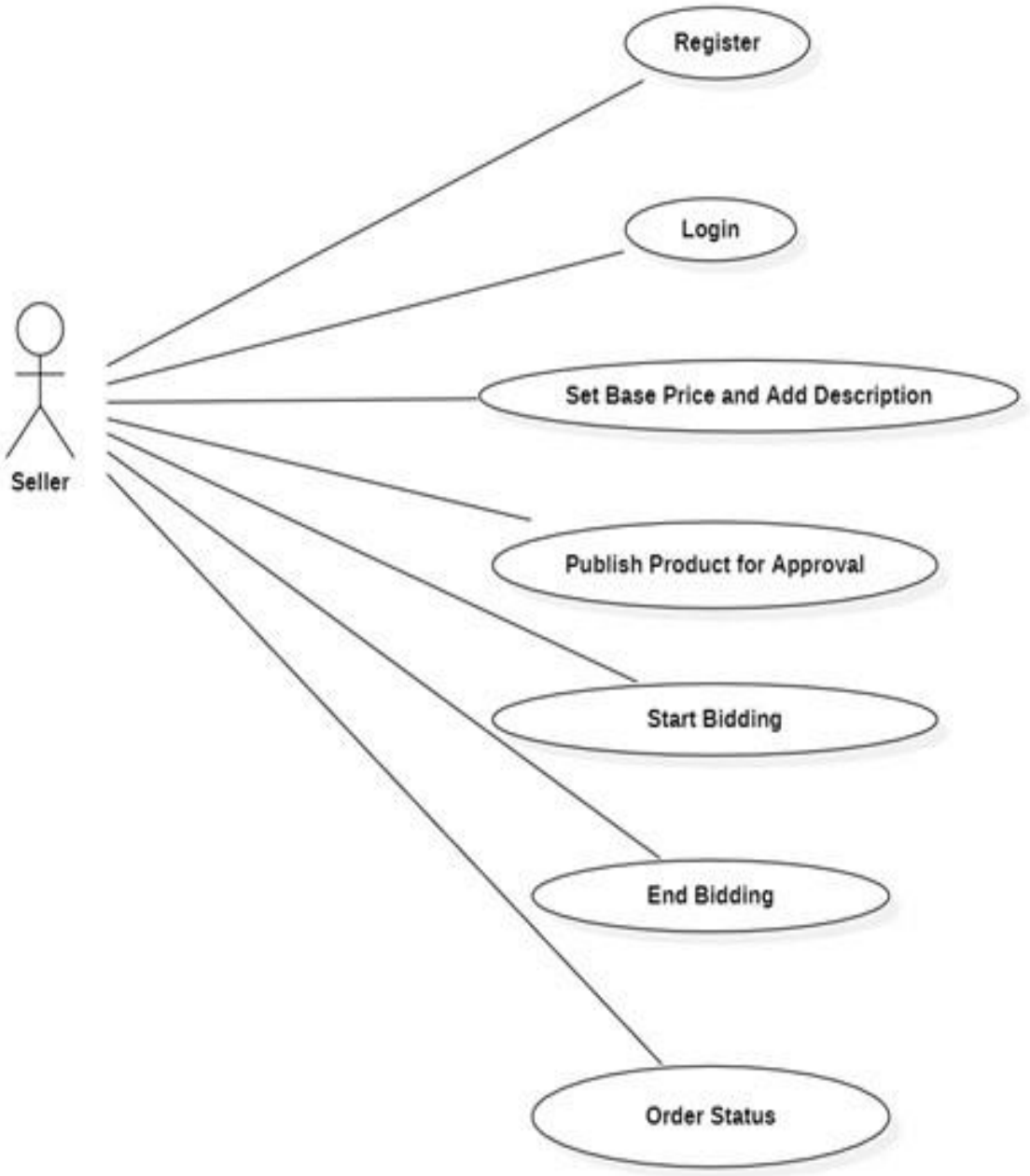
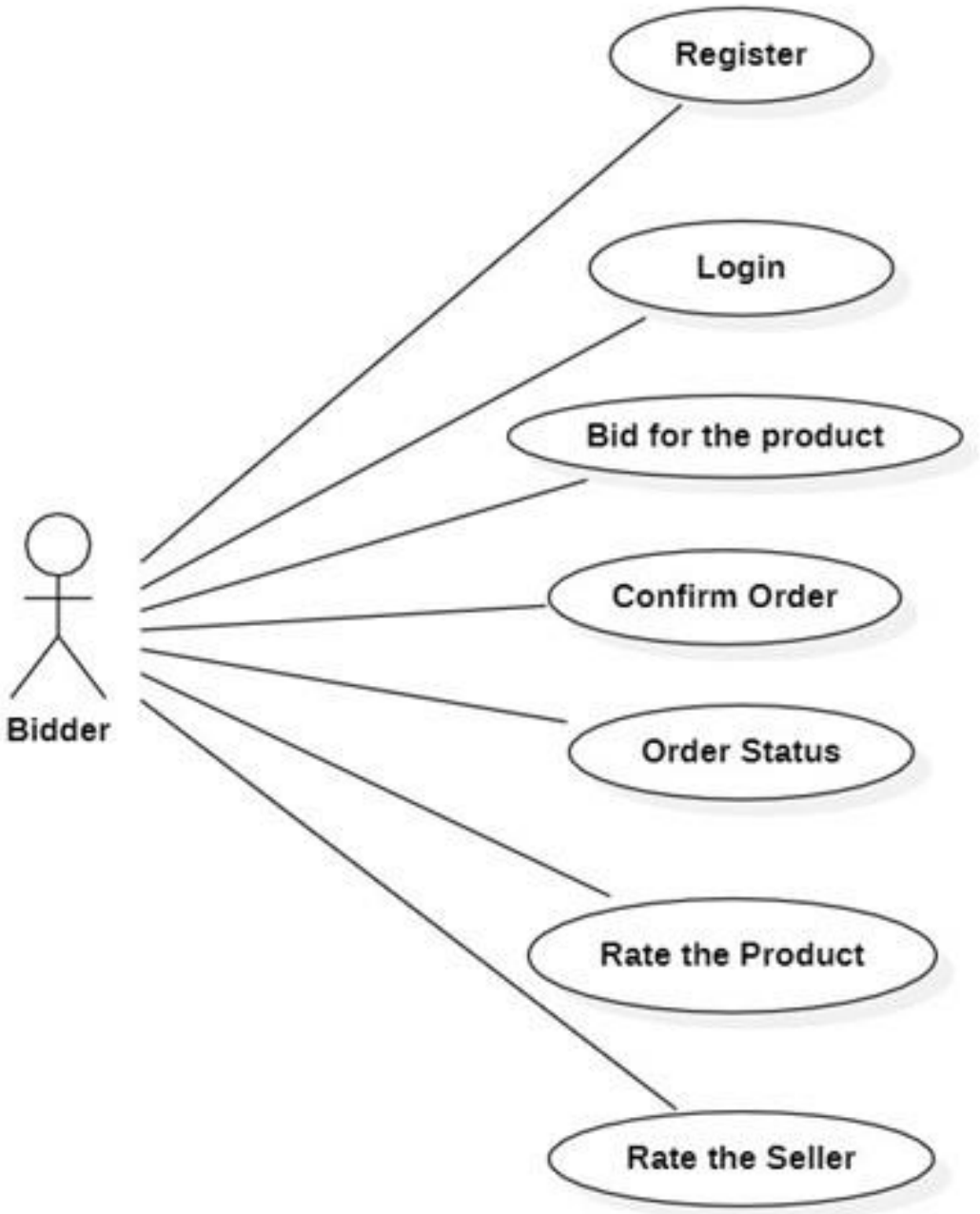
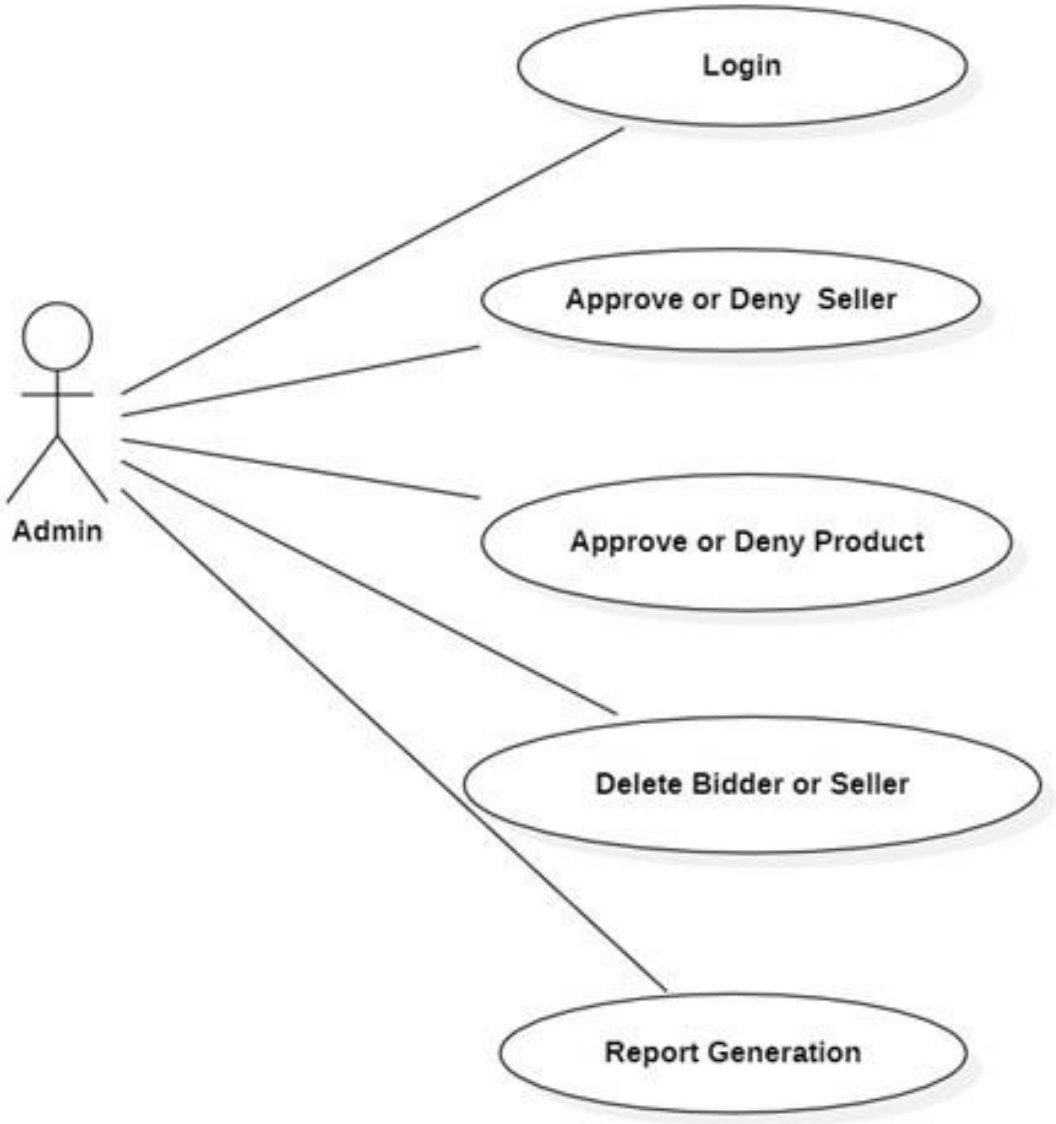
USE CASE DIAGRAM




Register
Login
Bid for the product
Confirm Order
Order Status
Rate the Product
Rate the Seller
Bidder


Login
Approve or Deny Seller
Admin
Approve or Deny Product
Delete Bidder or Seller
Report Generation