MINI PROJECT
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AntiqueTreasure

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ROLL NO.37

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AntiqueTreasure is an online auction platform designed for antique enthusiasts. It allows sellers to list their antique collections, undergo physical verification, and set auction dates. Buyers can participate in live auctions, place bids, and engage in group chats. Premium members gain access to exclusive, physically verified antique auctions. With a dedicated verification team, secure transactions, and delivery services, AntiqueTreasure offers a comprehensive antique trading experience."In my website it contains three modules:

Mini Project

1)Admin

- Role: Platform Administrator

- Description: The admin has full control over the platform, including user management, content moderation, and overall system administration. They ensure the platform operates smoothly and efficiently.

2)Seller:

- Role: Antique Product Seller

- Description: Sellers can list their antique products for auction on the platform. They provide detailed descriptions and images of their items, set auction dates, and engage with potential buyers.

3)Buyer:

- Role: Antique Product Buyer

- Description: Buyers participate in live auctions, place bids on antique items they're interested in, and interact with other bidders through group chat during auctions. They aim to secure valuable antique collectibles.

Modules and Functionalities:

1)User Management:

- Registration and profile management for all user types.
- Admin controls for managing user accounts.

2)Product Listing:

- Sellers can create listings with detailed descriptions and images.
- Verification team reviews and approves product listings.

3)Auction Management:

- Sellers set auction dates, times, and durations.
- Live auctions with bidding functionality for buyers.
- Leaderboard to display top bids in real-time during auctions.

4)Prime Membership:

- Premium subscription option for customers.
- Exclusive access to highly valuable antique auctions.

5)Verification Process:

- Verification team physically examines and verifies products before they go to auction.

6)Transaction Handling:

- Handling of secure transactions for winning bids.
- Payment processing and order confirmation.

Main Project

1)Buyer:

- Role: Antique Product Buyer
- They can communicate through chat room in live auction.

2)Delivery Team:

- Role: Product Delivery Personnel
- Description: The delivery team is responsible for the safe and timely delivery of purchased antique products to customers. They ensure that items are transported securely.

3)**Service Team:**

- Role: Customer Support
- Description: The service team provides customer support and assistance. They address user inquiries, resolve disputes, and ensure a positive user experience on the platform.

Modules and Functionalities:

Chat and Interaction:

- Group chat feature for buyers during live auctions.
- Private messaging between users for inquiries and negotiations.

Delivery Management:

- Coordination with the delivery team for product shipments.
- Tracking and delivery status updates for buyers.

Notifications and Customer Support:

- Email and in-app notifications for auction updates, winning bids, and product deliveries.

- Service team provides assistance, resolves disputes, and addresses customer inquiries.

ML implementation

Price Prediction:
- Develop a model that predicts the final selling price of an item based on historical auction data, item attributes, and bidding patterns. This can assist sellers in setting reserve prices.

User Behavior Analysis:
- Analyze user behavior data to understand patterns and preferences. This information can be used for targeted marketing and improving the platform's functionality.