

**ART VAULT AUCTIONS: A SECURE ONLINE ART  
AUCTION PLATFORM**

**A Mini Project**

**submitted to Ethiraj College for Women (Self-Supporting) in  
partial fulfillment of the requirements for the award of the  
degree of**

**BACHELOR OF COMPUTER APPLICATIONS[BCA]**

**Submitted**

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**BONAFIDE CERTIFICATE**

Certified that this is a bonafide record of work done by \_\_\_\_\_, with  
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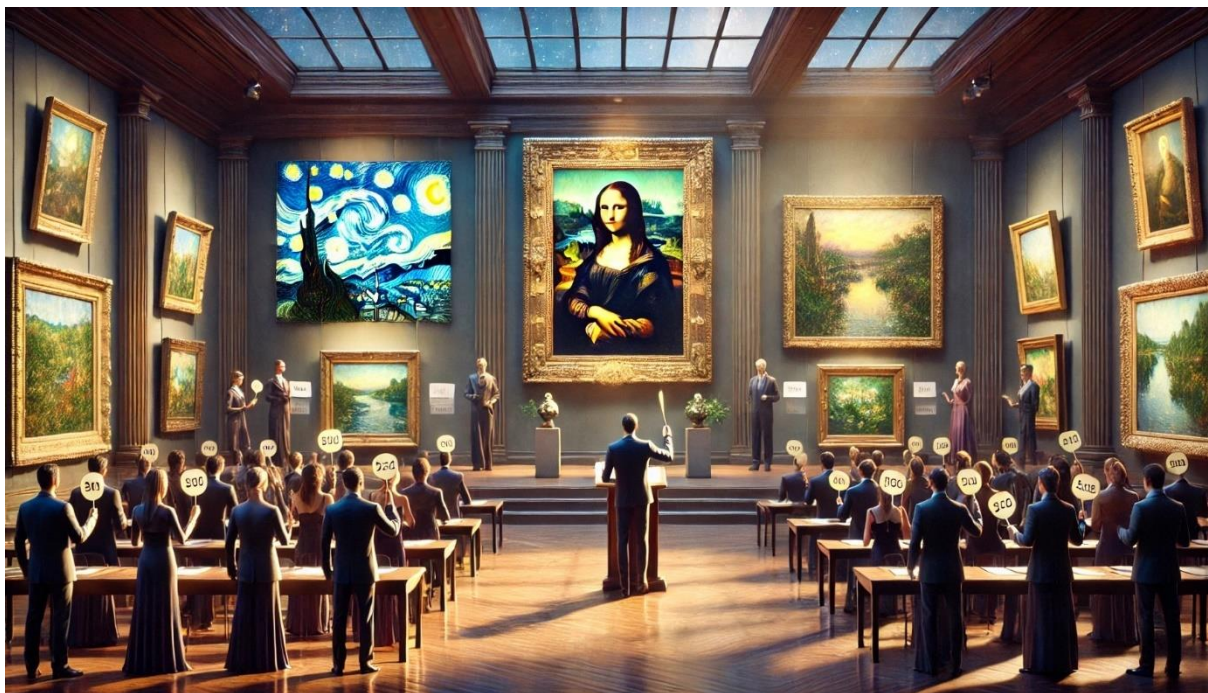
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# ART VAULT AUCTIONS

## A SECURE ONLINE ART AUCTION PLATFORM



## ABSTRACT

Art Vault Auctions is an online auction platform designed to facilitate the seamless buying, selling, and bidding of artwork in a secure and interactive environment. The platform features a **real-time bidding system**, allowing users to place bids on paintings with instant updates, ensuring transparency and engagement. It incorporates **secure authentication and user account management**, enabling buyers and sellers to create profiles, upload artwork, and participate in auctions. Users can **follow artists**, receive notifications about new listings, and track their favorite paintings. The platform also includes **cart management and payment simulation**, providing a streamlined transaction process. Built with **Django for the backend, HTML, CSS, and JavaScript for the frontend, and SQLite for database management**, the system ensures efficient handling of auction events and transactions. Additionally, an **admin panel** allows for auction oversight, artwork verification, and transaction management. To enhance user experience, the platform supports **profile customization**, allowing users to update profile pictures and settings. Addressing challenges such as **bid synchronization, auction security, and real-time updates**, the system leverages AJAX for smooth bid tracking, ensuring a responsive and dynamic experience. Future enhancements, including **WebSockets for real-time communication and improved payment integrations**, will further optimize the platform's scalability and user engagement.

**Keywords:** Online Auctions, Real-Time Bidding, Digital Art Marketplace, Secure Transactions, User Authentication

## TABLE OF CONTENTS

S NO	CONTENTS	PAGE NO.
01	<b>Introduction</b> 1.1 Problem Statement 1.2 Objective of the Project 1.3 Scope of the Project 1.4 Overview of the Project	1
02	<b>Literature survey</b> 2.1 study of existing systems and scholarly analyses 2.2 comparative analysis of scholarly insights 2.3 identification of gaps and opportunities	5
03	<b>System requirements</b> 3.1 existing system for art auctions 3.2 proposed system for art vault auctions	10
04	<b>System planning</b> 4.1 tasks and modules 4.2 system layout 4.3 technology stack explanation 4.4 assumptions	12
05	<b>System design</b> 5.1 system menu flow 5.2 data flow diagram 5.3 data dictionary 5.4 relationship table	16
06	<b>Implementation</b> 6.1 development approach 6.2 frontend development 6.3 backend development 6.4 database management 6.5 security measures	27
07	<b>System development</b> 7.1 overview of development approach 7.2 frontend development 7.3 backend development 7.4 database schema & ORM	31
08	<b>Testing and debugging</b> 8.1 testing methods 8.2 debugging and troubleshooting	100
09	<b>Results and discussion</b> 9.1 user interface and features 9.2 backend data handling and responses 9.3 challenges faced & solutions	105
10	<b>Conclusion</b>	120
11	<b>References</b>	124

