

# Build an online auction management system.

## 1. Overview

### 1.1 Project Information

- Project name: Build an online auction management system.
- Project code: SWRT\_61
- Group name: B02-RT01
- Software type: Web

### 1.2 Project Team

Full Name	Role	Email	Mobile
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## 2. Product Background

Managing auctions manually has proven to be inefficient, time-consuming, and error-prone. Traditional auction processes often suffer from limited audience reach, lack of transparency, and delays in communication. Customers have expressed the need for an online platform to manage and participate in auctions conveniently. This system is envisioned to streamline the auction process and provide a user-friendly experience for buyers and sellers.

## 3. Existing Systems

### 3.1 eBay

Description: A global online auction and shopping website.

Link: [eBay](https://www.ebay.com)

Actors: Sellers, Buyers, Admins

Features: Real-time bidding, user registration, feedback system, secure payments.

Pros: Trusted platform, wide audience reach.

Cons: High competition, fees, limited customer support for users in specific countries.

## 4. Business Opportunity

The demand for online auction platforms has been rising steadily due to the increasing use of e-commerce. Current solutions lack certain features like real-time bidding, automated notifications, and fraud prevention measures. The Online Auction Management System aims to address these gaps by providing a secure, feature-rich platform that enhances the bidding experience, reduces administrative overhead, and ensures transparency and fairness for all participants.

## 5. Software Product Vision

For individual buyers and sellers who need a reliable platform to participate in auctions, the Online Auction System is a digital marketplace that facilitates real-time bidding, secure transactions, and a diverse range of auction categories. This platform will offer an intuitive user interface, robust security measures, and personalized auction alerts, ensuring a seamless experience for both buyers and sellers. Unlike traditional physical auctions or fragmented online marketplaces, our product provides an integrated, scalable solution that enhances visibility, maximizes competitive bidding, and delivers a trustworthy environment for all participants.

## 6. Project Scope & Limitations

**Scope:** The platform will provide a digital marketplace for users in Vietnam to buy and sell goods through real-time bidding. Key features include user registration, secure payments, real-time bidding, and category-based listings. It will support both web access, with essential functionalities like notifications and a review system for buyers and sellers, and do not auction illegal products.

**Limitations:** The initial version will focus on domestic transactions only, without international shipping or advanced AI features. Dispute resolution will be limited to mediation support, and auction formats will be basic. Future enhancements will be based on user feedback and market demand.