

Collectable Items Marketplace

CSE 3002 J-component

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Scopes & Objectives

- Users will be able to sign-in either as buyer or seller.
- They should be able to upload pictures of their product/They should be able to view pictures of the listed products.
- Users should be allowed to add items to cart or checkout.
- Users will be able to customize their profile .
- Making the process of buying and selling antique items efficient and easy.

Project Motivation

- The busy lives of people do not allow them to go out and shop all the time. Especially if the item to be bought is rare and antique.
- We aim to develop a hub for the buying and selling of antiquities and valuable items. With this, people can easily find and even buy/sell otherwise rare/antique items easily; all from a single web app.
- The people can either log-in as customers or sellers to perform the necessary tasks, which is monitored by an admin.

Project Motivation continued...

- Development of e-commerce niche based website for serious buyers - like collectible buyers and people of sorts who will actually make a purchase.
- Offline Market place usually have a lack of collection and increase in fake retailers that sell the duplicate of the original items.
- Due to nature of rare items, some customers are willing to pay heavy prices but due to the lack of unified platform the items aren't seen by the large number of potential buyers.
- So, keeping these in mind the online Marketplace is convenient and user friendly.

Project Abstract -brief idea

- Development of a web application through the knowledge of web development.
- 3 viewable/usable versions for each type of user i.e., Admin, Seller and Customer.
- Data collection and onboarding doesn't require excess effort.
- Usage of database to store all data of the website.
- Categorical view of all items available to ensure user interests

Roles and Responsibilities

The following are the roles and responsibilities

- Arshdeep Singh - PHP and backend
- Arpit Khandelwal - HTML, CSS and structuring
- Nirzar Modi - Database Design
- Shubh - Javascript and frontend feedback

*These may be subject to changes

Pros and Cons

Pros:

- Convenient and easy to use.
- User friendly layout for easy navigation through the website
- A perfect place for collectors to buy their desired artifact
- Reduction of fake items to be sold.
- Future scopes for language translation, Auction systems, category filtering and trends can be studied
- Statistics like total sales and order history can be tracked in real-time.

Cons:

- It is targeted at a Niche market and initial onboarding of customers requires time.
- No existing systems are available.

LITERATURE SURVEY

Antiques & Collectibles By, Linda Reece, Extension Home Furnishings Specialist -- University of Kentucky

24 Est.Tr. & Pensions J 55 Art, Antiques and Collectibles: Maximizing Donation Benefits

Thumb rules while shopping for antiques:

1. Buy the best you can afford
2. Be a comparison shopper - look around first
3. Know what you like and why you want to buy the antique

Age is not the only qualifying factor for antique labelling. Historical or cultural significance is also considered when classifying an item as an antique.

A bronze Chinese Buddha statue assumed to be 1000 years old was purchased for a mere 100 USD and auctioned off for a staggering 2.1 million USD

According to reports a dealer dealing with antiques has a profit margin of 30% and if the person's business is a success then he/she would see an income of 45000 USD to 60000 USD a year --(as of 11th August 2020)

According to IBIS World, the antiques and collectibles sales industry has grown over the past 5 years by 7.2%. In the year 2018 it reached a revenue of 2 Billion USD, parallelly the business has grown by 1.3% and employees number has grown by almost 1% --(as of 28th July 2019)

Research Papers

Sno.	Title Of Paper	Link	Pros	Our Proposed Improvements
1.	Analyzing, Designing and Implementing a Web-Based Auction online System -- 2019	http://www.ripublication.com/ijaer18/ijae_rv13n10_102.pdf	<ul style="list-style-type: none"> It has good illustrations and system design Relevant to our project 	<ul style="list-style-type: none"> Improve upon the User Interface as the given one in the paper is poor Integration into a detailed system for practicality.
2.	An Architecture of E-Marketplace Platform for Agribusiness in Indonesia -- 2020	https://web.archive.org/web/20201103190656id_/https://eudl.eu/pdf/10.4108/eai.12-10-2019.2296542	<ul style="list-style-type: none"> Detailed and clean Completeness is good 	<ul style="list-style-type: none"> It can be implemented more effectively with better categorical approach Must be altered to suit our needs.

OTHER REFERENCES

1. <https://howtostartanllc.com/business-ideas/antique-store>
2. <https://americanmerchandiser.com/antique-industry-trend-breakdown/>
3. https://www.jstor.org/stable/29764285?read-now=1&refreqid=excelsior%3A3a58e097d1a33e02f89c5d7a01e8b98c&seq=2#page_scan_tab_contents
4. <https://www.sciencedirect.com/science/article/abs/pii/S0019850120309135>