PROJECT REPORT

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*AUCTION WEBSITE*

Submitted by

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## **Department of Computer Science Engineering**

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## **Jalandhar, Punjab**

## December - 2023

Student Declaration

We hereby declare that the project work entitled (“AUCTION WEBSITE”) is an authentic record of our own work and this report is not copied from others er sources. All information included from other sources has been duly acknowledged. We aver that if any of the report is found to be copied, we shall take full responsibility for it.

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**Chapter – 1**

**Introduction**

An auction is a public sale where goods or property are sold to the one who place highest bid. It can be conducted in various ways, including in person, online, or a combination of both. Auctions are commonly used for a wider range of items, including art, antiques, real estate, and various goods which are not in used for one but can be useful for other.

In recent years, whole world is shifting toward digitalization’s. Today individuals seek the convenience of digital platforms like Amazon and Flipkart, utilizing online payment gateways such as UPI and PayPal. Similarly, the emergence of Online Auction caters to this digital trend, provides digital platforms for buyers and sellers to engage in bidding process from the comfort of their own homes. These auctions leverage the power of the internet to connect a global audience, making it possible for individuals from different geographic to participate in the same auction event.

Our auction platform offers users a personalized experience by allowing them to create profiles, enabling seamlessly participation in bidding for items that align with their preferences. Users have the flexibility to not only bid but also to showcase and sell their own items through platform. They can track bids and order and provide transparent and user-friendly interface. In our commitment to user satisfaction, a dedicated customer support team is readily available to assist users, ensuring a smooth and enjoyable auction experience.

**Objectives:**

Our main objective is to offer a sustainable alternative to discarding or selling to traditional buyers, allowing users to sell their old belongings at fair and competitive prices. Through a seamless and transparent auction experience, we aim to connect sellers with a diverse pool of buyers, creating a marketplace where every item finds its worth. By prioritizing user satisfaction, fostering a sense of community, and continually improving our platform, we aspire to be the go-to solution for individuals seeking to maximize the value of their used possessions while contributing to a more sustainable and circular economy.

**Features Of Project:**

In order to make user-friendly and provide seamless and secure experience for both buyers and sellers, here we provide certain key features in our auction websites:

* User Registration and profiles:
* Item listing and Management
* Bidding system
* Auction Monitoring and Notification
* Payment Integration
* Security Measures
* Responsive Design
* Reviews and Rating
* Customer Support
* Analytics and Reporting

**Chapter – 2**

**Tools/Technologies Used**

**HTML** stand for Hypertext Markup Language. It was created by Tim Berners-Lee in 1991. HTML 2.0 published in 1999 was first version and latest version that is used worldwide is HTML 5. HTML files are saved extension .html. It is not case sensitive and easy to learn and modify the content. HTML have different tags and attributes with help of which we can creates or defines the structure of web pages. Websites created using HTML can be viewed on internet-connected devices like laptop, mobile phones, etc.

Using HTML tools, we have design overall structure of platform, encompassing page layout, headers, footers, and navigation menus. Essential user interactions, including bidding and submitting items for auction, are facilitated through HTML’s form element. Images and multimedia content, embedded using HTML tags, enhance the visual appeal of product listings. Hyperlinks enable seamless navigation within platforms, linking to various sections and external resources. HTML form backbone pf our auction platform, providing the essential structure and elements necessary for a dynamic and engaging user interface.

**CSS** stands for Cascading Style Sheets, is a simple tool used for styling and design language intended to simplify the process of making web pages presentable. CSS can control layout the layout, design, of HTML elements, such as the color, font, size, position, and animation of the content.

Uses of CSS enhance both the aesthetics and functionality of the website. CSS enables us to structure layouts, adapts to devices, and refines typography, colors, and buttons for a cohesive look. CSS enables animation, adding dynamic feedback during interactions like bid placements. It empowers user customization, fostering engagement. In essences, CSS plays a pivotal role in elevating the overall design and usability of our auction platform.

**JavaScript** is a scripting or programming language that enables us to implement complex features on webpages. It enables us to create dynamically updating content, control multimedia, animate images, and pretty much everything else. It is one of the three core technologies of the world Wide Web, along with HTML and CSS.

Use of JavaScript in our Auction platform enables real-time updates, such as bid changes and auction status, enhancing user engagement. JavaScript handles user interactions, validates from inputs, and ensures a seamless experience. It also plays a key role in client-side form validation, contributing to data integrity.

**PHP** stands for Hypertext Preprocessor, is a server-side scripting language widely utilized for web development. PHP seamlessly integrates with HTML, enabling the creation of dynamic and interactive web pages. Knowing for its flexibility, PHP supports various databases and boasts a rich ecosystem of frameworks like Laravel and Simonys. With a focus on simplicity and effectiveness, PHP remains a popular choice for building dynamic websites and web applications.

PHP helps in making bid-processing, user authentication, and database interactions to store and retrieve auction-related data. The language's seamless integration with HTML allows for the easy generation of dynamic content, enabling users to view current bids, submit their bids, and receive instant updates on auction status. Additionally, PHP's compatibility with various databases facilitates efficient management of auction listings and user information. Overall, PHP plays a pivotal role in powering the behind-the-scenes operations of auction websites, contributing to their functionality and responsiveness.