

# MINI PROJECT

(2021-22)

**“BID-HIT”**

Project Report



**Institute of Engineering & Technology**

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### **Declaration**

I/we hereby declare that the work which is being presented in the Bachelor of technology. Project “**BID-HIT**”, in partial fulfilment of the requirements for the award of the ***Bachelor of Technology*** in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of my/our own work carried under the supervision of **Mr. Mandeep Singh, Technical Trainer, Dept. of CEA, GLA University.**

The contents of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.

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## **Certificate**

This is to certify that the project entitled “BID-HIT”, carried out in Mini Project – I Lab, is a Bonafide work by Abhay Kumar, Aryan Tiwari, Karan Mishra, Amish Gupta and Nikhil Agarwal and is submitted in partial fulfilment of the requirements for the award of the degree Bachelor of Technology (Computer Science & Engineering).

**Signature of Supervisor:**

**Name of Supervisor:** Mr. Mandeep Singh

**Date:** 15-11-2021



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## **ACKNOWLEDGEMENT**

Presenting the ascribed project paper report in this very simple and official form, we would like to place my deep gratitude to GLA University for providing us the instructor Mr Mandeep Singh, our technical trainer and supervisor.

He has been helping us since Day 1 in this project. He provided us with the roadmap, the basic guidelines explaining on how to work on the project. He has been conducting regular meeting to check the progress of the project and providing us with the resources related to the project. Without his help, we wouldn't have been able to complete this project.

And at last, but not the least we would like to thank our dear parents for helping us to grab this opportunity to get trained and also my colleagues who helped me find resources during the training.

Thanking You

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# ABSTRACT

In this project, we are creating a web application, basically an online auction site which we have named **BID-HIT**. Auctions are the terms most of us has listen but never participated in them basically auction is a public sale of property, jewellery, antiques, goods to the highest bidder. The underlying purpose of an auction sale is to obtain the best financial returns for the owner of the property and to allow free and fair competition among bidders. so, Main question is What happens at Auctions?

Once the reserve price is reached during bidding (or no reserve price is set), the property will be 'on the market'. The winning bidder must purchase the property, and the seller must sell. If the property doesn't reach the reserve price, you can negotiate with the seller after the auction. Now the Auctions always have been reserved for expensive property/antiques and Auctions are also quite expensive to arrange, due to changing cultures of technology we have overcome this issue to make auctions online ,affordable and easy for each and every one , our website provide best auctions happening right now and shows upcoming auctions as well and you can see your auctions as per your interests , and bid for your fav property or goods, with safe transactions and terms and conditions, as we have Moto to maintain.

"A satisfied customer is the Best Business Strategy of All".

We have explored the most popular auctions to provide the same experience virtually.

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# CHAPTER-1

## INTRODUCTION

### 1.1 CONTEXT

This Web Application “BIDHIT” has been submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering at GLA University, Mathura supervised by Mr. Mandeep Singh. This project has been completed approximately one month and has been executed in modules, meetings have been organised to check the progress of the work and for instructions and guidelines.

### 1.2 MOTIVATION

Online auctions can offer great benefits to both buyers and sellers. But as the survey shows, when a consumer pays before receiving the merchandise, or a seller ships the goods before the buyer's payment clears, there is some risk involved. Even though most people have good intentions, things occasionally go wrong. And some people are irresponsible, or even downright dishonest, in their dealings with others.

Auction participants need to be aware of the risks and know how to protect themselves. While there aren't any guarantees in life, it is possible to reduce the potential for trouble in online auction transactions by following some basic safety tips, including:

- Understand how the auction works;
- Check out the seller before you bid;
- Get the contact information of the person or company you're dealing with;
- Look for information about insurance for buyers;
- Payment by credit card can protect both buyer and seller;
- Consider using an escrow service.

It's easy to get carried away in the excitement of online auctions. Common sense and caution are the keys to happy auction experiences.



### **1.3 OBJECTIVE**

The use of this online auction website is that bidders will be able to get connected as we will offer them necessary information and or give hand to Bid for items. It will help save time and offer quality deliverables to the bidders by quick response and attention services. This website will replace the manual way of seeking items in the market and travelling long journeys just to get an item yet there are available items just in the neighbourhood be it during day or night.

### **1.4 EXISTING SYSTEM**

The existing Auction System is managed manually. Prior to each auction, the day of auction, the venue and the items on auction are announced through news media. Those who wish to take part in the auction have to arrive at the venue on that day on time. This conventional method most of the times prevent aspiring bidders from participating in the bidding process. Another headache of the old system is to track each bidding process and to make it culminate in financial settlement. So, the system has to keep records of both buyers and sellers until the end of settlement. The process is very cumbersome and time consuming.

### **1.5 SOURCES**

The source of our project (including all the project work, documentations and presentations) is available at the following link <https://github.com/abhayxkumar/bid-hit/>.

# CHAPTER -2 SOFTWARE REQUIREMENT ANALYSIS

## 2.1 HARDWARE AND SOFTWARE REQUIREMENTS

### **Hardware Requirement**

- Processor: Core i3
- Operating System: Windows 7/XP
- RAM: 4GB
- Hardware Devices: Laptop/PC
- Hard Disk: 1TB
- Display: Min. 720p

### **Software Requirement**

- Technology Implemented: Full Stack Web Technologies
- Language Used: HTML/CSS, JavaScript
- Database: Firebase
- User Interface Design: Figma
- Web Browser: Google Chrome, Mozilla Firefox

## **2.2 MODULES AND FUNCTIONALITIES**

This project will support on all internet-based devices such as mobile phones, laptop, tablets, etc.

- In this project, we will first make user register and provide him particular id and we will authenticate the user Aadhar and pan card for security and trust purpose and then our team will verify and respond back in certain time.
- We will use razor pay gateway for secure and easy transactions
- We will offer a customer a survey for his better experience and show upcoming and ongoing auctions according to his survey results for better customer experience
- Bidder can select ongoing auctions and start bidding as per their choices

The particular auction that customer will choose to bid, that product auction portal will open only for certain amount of time so to make the bidding customer have to come and make the bid at that particular time so to make the bidding fair for all and we will provide notification remainder also for that so customer don't miss their fav product bids, and then highest bidder in that auction gets the product.

## **2.3 FEASIBILITY OF PROJECT**

This site will provide a real time responsive platform, where a person (bidder) can create his account and authenticate himself with any of its id proof. This authentication will help to determine whether the person(bidder) is real or not.

- All products will contain its legal papers, so that the product/ or any property/antique can be verified and considered as genuine and that information will be encrypted end to end so that frauds can be prevented.
- A time slot will be decided for the auction of each product for its bidding for starts and end and also, we show its base bidding amount.
- The bidder can find the things in which he is interest to bid, also he will also be given different time slots according to us so that bidder can select the time slot so that he can bid when he is free.

In this real time platform, the bidder will enjoy his bidding with a feasible responsive user interface. Also, after the completion of auction, we will provide proper feasible payment methods so that bidder can pay with a very encrypted way.

## **2.4 USE OF PROJECT**

The use of this online auction website is that bidders will be able to get connected us we will offer them necessary information and or give hand to Bid for items. It will help save time and offer quality deliverables to the bidders by quick response and attention services. This website will replace the manual way of seeking items in the market and travelling long journeys just to get an item yet there are available items just in the neighbourhood be it during day or night.

# CHAPTER- 3

## SOFTWARE DESIGN

### CHAPTER-4 TECHNOLOGY USED

#### 4.1 WEB DEVELOPMENT

**Web development** is the work involved in developing a Web site for the Internet (World Wide Web) or an intranet (a private network).<sup>[1]</sup> Web development can range from developing a simple single static page of plain text to complex web applications, electronic businesses, and social network services. A more comprehensive list of tasks to which Web development commonly refers, may include Web engineering, Web design, Web content development, client liaison, client-side/server-side scripting, Web server and network security configuration, and e-commerce development.

Among Web professionals, "Web development" usually refers to the main non-design aspects of building Web sites: writing markup and coding. Web development may use content management systems (CMS) to make content changes easier and available with basic technical skills.

For larger organizations and businesses, Web development teams can consist of hundreds of people (Web developers) and follow standard methods like Agile methodologies while developing Web sites. Smaller organizations may only require a single permanent or contracting developer, or secondary assignment to related job positions such as a graphic designer or information systems technician. Web development may be a collaborative effort between departments rather than the domain of a designated department. There are three kinds of Web developer specialization: front-end developer, back-end developer, and full-stack developer. Front-end developers are responsible for behaviour and visuals that run in the user browser, while back-end developers deal with the servers.

But first it would be great to see the two different types of Web Development: -

- **Front-end:** Suppose you want to create a website for your art gallery. So how should the website look? Well, artsy of course!!! And while looking artsy, it should also have all the relevant information about your gallery such as its address, details about your art-pieces, their prices, etc. Are you getting where this is going? Front-End web development basically deals with making your website look like it should! This includes all the details of your website that the users will see and communicate with. All those artsy images, live animations, navigation menus, etc. that you add to your website are a part of Front-End web development. So, the better your front-end is, the higher the chances of good user experience (And also of all your paintings selling out!!!) The main technologies required for Front End development are HTML5, CSS3, and JavaScript. And that's not all! Extra knowledge of third-party libraries like jQuery, Angular and ReactJs, etc. is also extremely helpful.

- **Back-end:** Your website about art gallery is doing great and you are getting lots of footfall! Now, what if you also want to sell your artwork on your website rather than just advertising your art gallery? That's not possible using just front-end development as it deals with mostly how a website looks to the users. And this is where comes in to save the day!!!Back-End Web Development deals with the “back-end” of the website that is hidden from the users. It handles all the complex grimy tasks like data organization and storage and communicates with the front-end to make sure that the site is running smoothly. If any user fills a form in your website or purchases an artwork, the browser basically requests the server-side to process and return the relevant information that is then displayed on the screen using front-end code. There are multiple languages that are used in Back End Development such as Java, Python, PHP, NodeJs, etc. While every developer claim that their favourite language is the best, all of these languages have a market demand for suitable projects.

## 4.3 TOOLS AND LANGUAGES

Tools used to build the Android App are: -

- **VS Code:** VS Code is a source-code editor developed by Microsoft for Windows, Linux and MacOS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded git.
- **Notepad ++:** Notepad ++ is a text and source code editor for use with Microsoft Windows. It supports tabbed editing, which allows you to work with multiple open files in a single window. The product name comes from the C increment operator. Notepad ++ is distributed as free software.

Languages used in building a Web Application are classified as per the Front End and Back End. For designing the Front End of an application, we have used Html, CSS, JavaScript. and for designing the Back End we have used Firebase, Node. js.

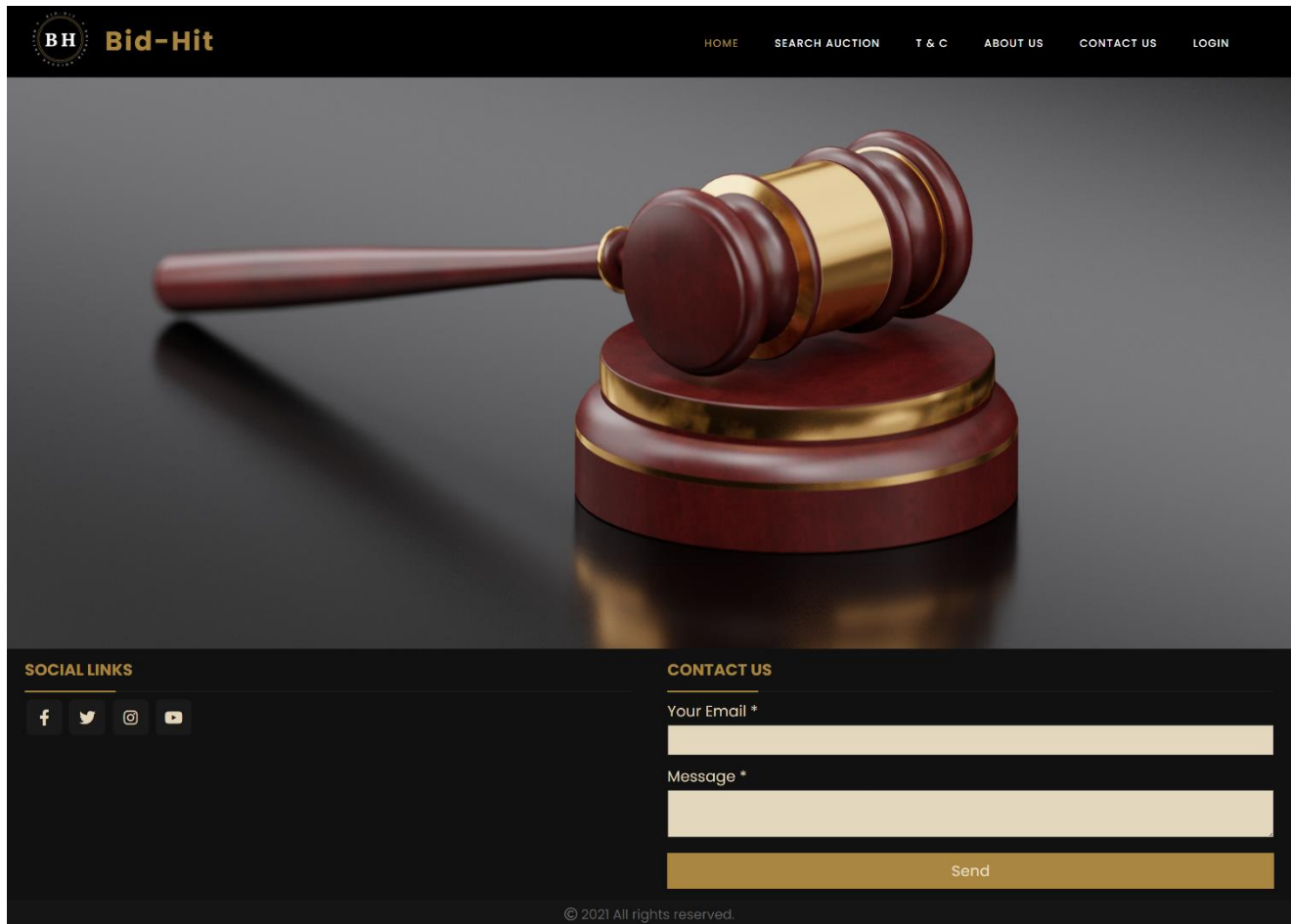
- **HTML:** HTML Hypertext Markup Language is an algorithmic language used to create pages on a computer that can be viewed by viewers / viewers.
- **CSS:** CSS is the language we use to style an HTML document. CSS describes how HTML elements should be displayed. This tutorial will teach you CSS from basic to advanced.
- **JavaScript:** JavaScript is a prototype-based programming language. This programming language came and went on the user's computer.
- **Node. Js:** Node. js is primarily used for non-blocking, event-driven servers, due to its single-threaded nature. It's used for traditional web sites and back-end API services, but was designed with real-time, push-based architectures in mind.
- **Firebase:** Firebase is a platform developed by Google to create mobile and web applications. It was originally an independent company founded in 2011. In 2014, Google edited the platform and now this is their flagship offer for app development.

# CHAPTER -5

## IMPLEMENTATION AND USER INTERFACE

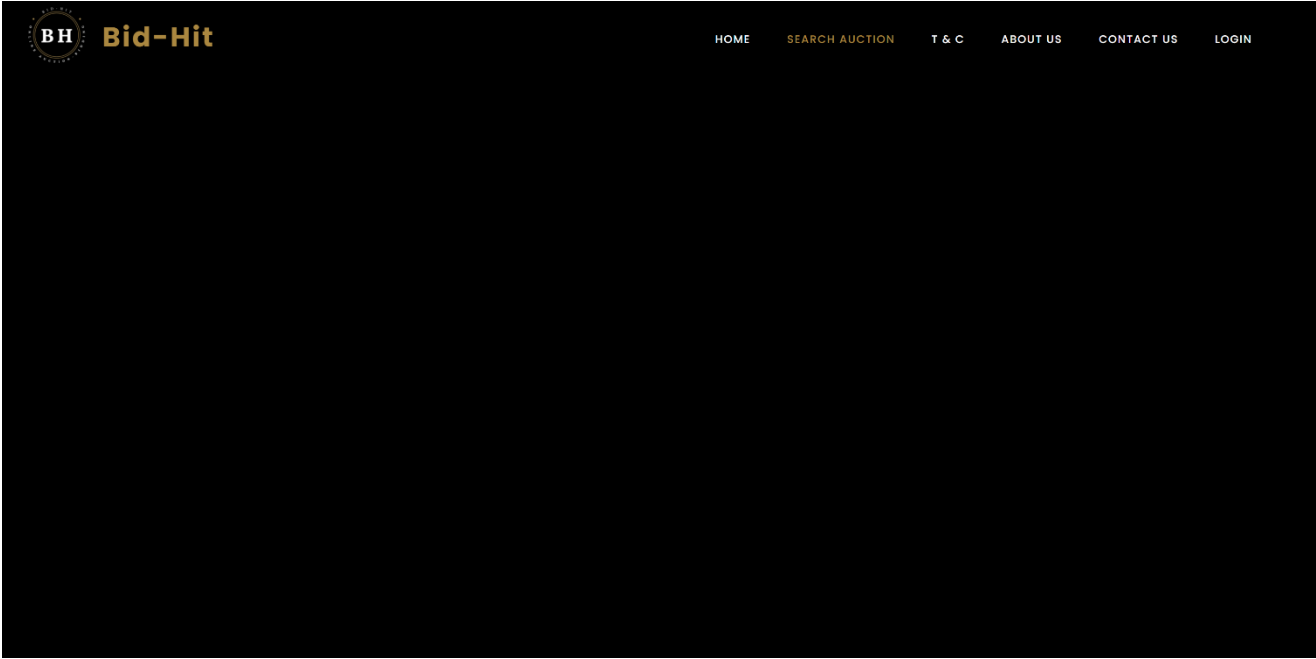
### 5.1 User Interface

- Home

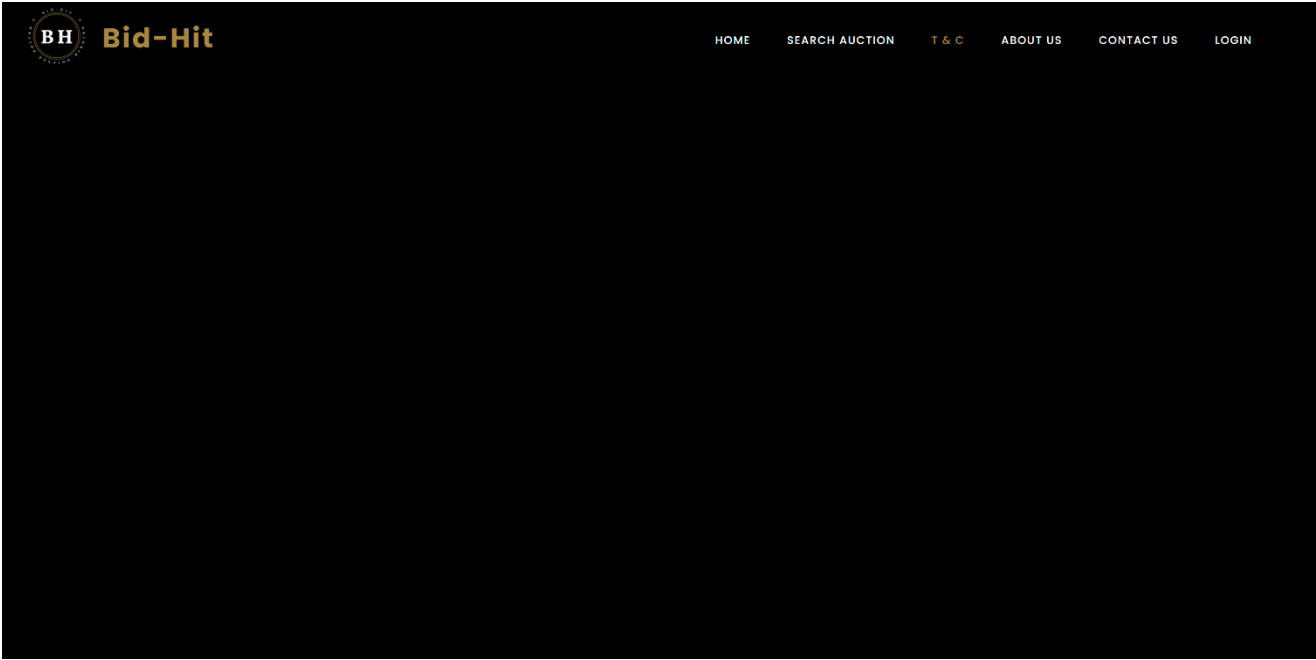




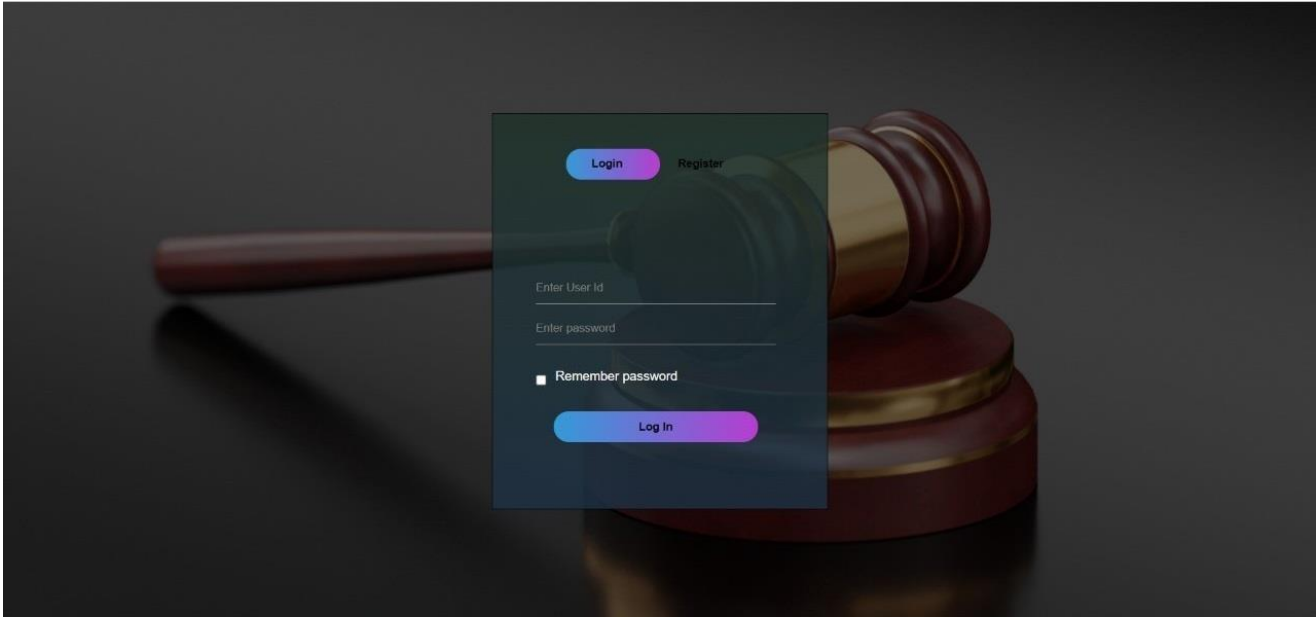
- **Search Auction**



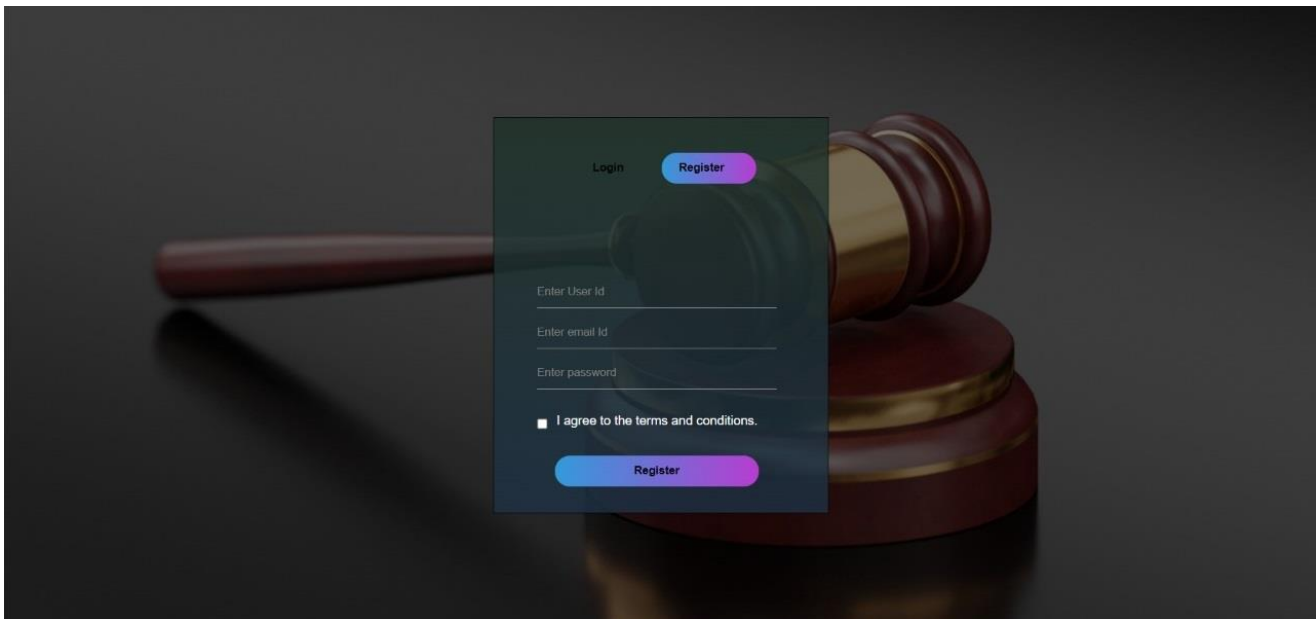
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This site will provide a real time responsive platform, where a person (bidder & seller) can create his account and authenticate himself with any of its id proof. This authentication will help to determine whether the person(bidder/seller) is real or not. And if the user is seller, first he have to upload its legal papers, so that the product/ or any property/ antique can be verified and considered as genuine and that information will be encrypted end to end so that frauds can be prevented. And also he can select a time slot in which the auction starts and end and also he can show its base bidding amount. If the person is bidder, he can find the things in which he is interest to bid, also he will also be given different time slots according to seller so that bidder can select the time slot so that he can bid when he is free. In this real time platform, the bidder will enjoy his bidding with an feasible responsive user interface. Also after the completion of auction, we will provide proper feasible payment methods so that bidder can transact the seller with a very encrypted way.

Our Team

Each and every our group member is important for our project, we are working on it to make it usable.

60 x 60

Mr. Mandeep Singh  
Project Mentor

54 x 54

Abhay Kumar  
Group Member

50 x 50

Aryan Tiwari  
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60 x 60

Amish Gupta  
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