

# Online Auction

## Project description:-

Our Online Auction platform offers a virtual marketplace to people all over the world, revolutionizing the buying and selling process. Buyer can browse, bid and win the products from the comfort of their homes. In addition to ensuring transaction safety, secure payments also ensure a dynamic and competitive environment through real-time bidding. Because the platform supports a wide variety of products, it creates a vibrant and interesting marketplace for traders as well as buyers. Our Online Auction streamlines and facilitates the entire auction process with its clear procedures.

In our application we have three modules like Admin, Trader and Buyer. The admin will login into the application with default username and password. After successful login the admin can add the auction categories by giving category\_name and view added auction categories in the application. Traders will first register by giving all details of them. After successful registration the trader will login into the application with registered email and password, immediately the trader will add the products by giving product details, select category from auction categories , add start date time and end datetime, product price and click on add button to add product. Now the admin will view and verify the added products by the trader and approve the products. Now the buyer, who wants to bid the products will register into the application by giving basic details.

The buyer will login into the application. After login immediately the buyer will add some amount to the buyer's wallet from buyer's bank account to wallet. The buyer will view the approved auction products and keep auction or re-auction the products. For example if the product auction start date time was 02/01/2024 from 10:00 am to 04/01/2024 7:00 pm and product price was \$250 then during this time the auction is available. Then the buyer's who are all registered into the application can see all auctioned products and bid the products. For example if one buyer wants to bid \$150 and buyer's wallet was holded with only \$100 then buyer can't bid the product as buyer gets the notification to add remaining amount into the buyer's wallet to bid \$150 for product and another buyer bid \$200 for the same auctioned products. The bidded auctioned products can also be viewed by the buyer. All auction products of that trader will be viewed by the trader, but the admin can view all traders auction products. When the auction time 04/01/2024 7:00 pm ends after 7:00 pm the auction status will be updated immediately and the product will be assigned to the highest bidder of the buyer, for example the buyer who bidded for \$200.

Now the trader will assign products to the buyer and the buyer can view assigned products in the application . Here the bidded amount will be returned to the wallets of other buyer's and the auction will be cancelled. The trader will check the bidded amount and dispatch the product. When the buyer receives the dispatched product the buyer will mark, make as received as the buyer received the product. Here the 10% of the billing amount will be received by the admin.

## Database Description:-

The database description contains eight collections: Admin, categories, Trader, Products, Session, Buyer, Bid and Payment.

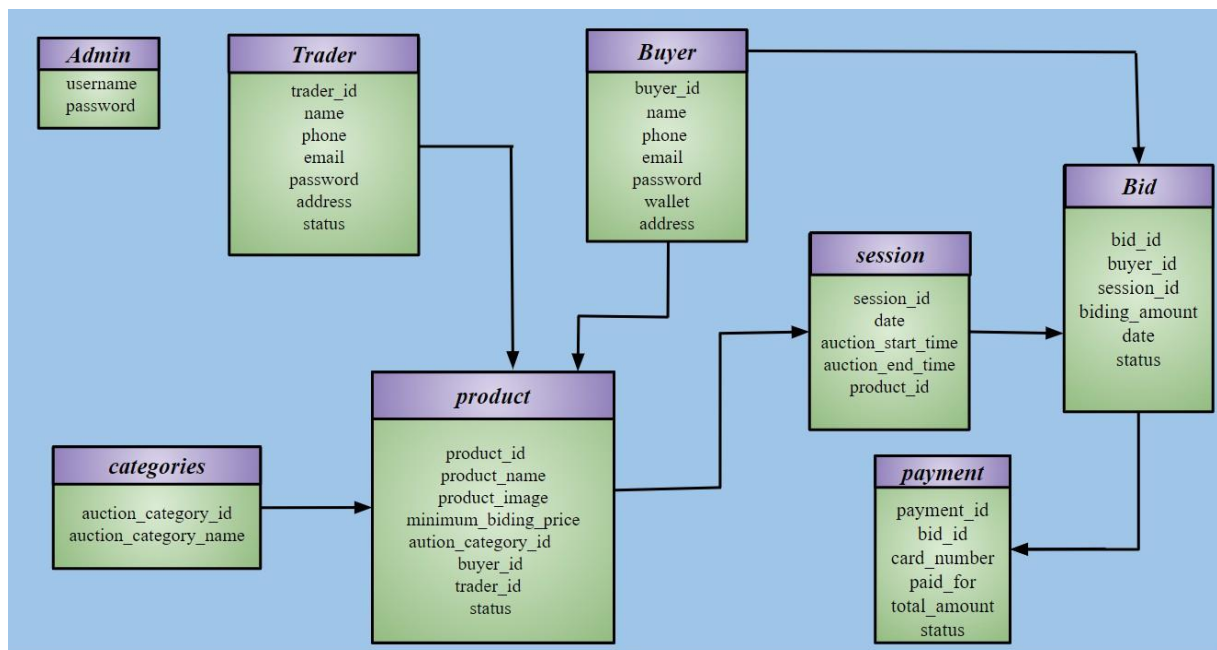
The admin will login into the application with the required details of username and password. The admin collection contains username and password. When an admin successfully logs into the application or website, then the admin can add the auction categories, the category collection contains the auction\_ category\_name that was stored in the category collection. After that the trader will register into the website with their details. The Trader collection contains the name, email, password, phone, address and status these are stored in the trader collection. Based on the categories the trader will add the products, the product collection contains the product\_name, product\_image, minimum\_bidding\_price, status, auction\_categorie\_id and trader\_id. In the product collection there are two reference keys auction\_categorie\_id and trader\_id. When the trader adds any product then the status of the product is updated to "Posted for Bidding". The trader will provide a session , in that session collection contains the date, auction\_start\_time, auction\_end\_time, and product\_id. In the session collection there is a reference key that is product\_id that means based on the product the date and action start time and end time will be assigned to a product.

The buyer will register into the website with their details. The buyer collection contains name, phone\_number, email, password, wallet and address. While the buyer registering into the website then only the buyer will add some amount into the wallet then only the buyer can buy the product. After login the buyer can search for the products and view the products. When the buyer bids the product then the status will be updated to "Product is Bidded".

The bid collection contains bid\_id, session\_id, bidding\_amount, date, status and buyer\_id in this collection there are three reference keys product\_id, session\_id and buyer\_id. If the two buyers bid the same product with the same price then the trader will select the buyer at first. After that the trader will dispatch the product to the buyer and the status of the bidded product is updated into

“Dispatched”. The buyer will proceed to the payments, in the payment collection it contains the card\_number, paid\_for, total\_amount, status and bid\_id, in this payment collection there is a one reference key that is bid\_id. If the payment is successful then the status is updated to “Payment Successful” or “Your Transaction is Failed”. In that total amount \$5 is paid for an admin and remaining to the trader. If the buyer receives the product then the status of the bidded product is updated to “Delivered”.

## Database Diagram:-



# Database collection:-

+ Create collection

Refresh

View



Sort by

Collection Name



admin

Storage size: 20.48 kB

Documents: 1

Avg. document size: 62.00 B

Indexes: 1

Total index size: 20.48 kB

bid

Storage size: 20.48 kB

Documents: 3

Avg. document size: 132.00 B

Indexes: 1

Total index size: 36.86 kB

buyer

Storage size: 20.48 kB

Documents: 3

Avg. document size: 145.00 B

Indexes: 1

Total index size: 36.86 kB

category

Storage size: 20.48 kB

Documents: 2

Avg. document size: 51.00 B

Indexes: 1

Total index size: 20.48 kB

payments

Storage size: 20.48 kB

Documents: 1

Avg. document size: 132.00 B

Indexes: 1

Total index size: 20.48 kB

product

Storage size: 20.48 kB

Documents: 2

Avg. document size: 193.00 B

Indexes: 1

Total index size: 36.86 kB

sessions

Storage size: 20.48 kB

Documents: 1

Avg. document size: 95.00 B

Indexes: 1

Total index size: 20.48 kB

trader

Storage size: 20.48 kB

Documents: 1

Avg. document size: 121.00 B

Indexes: 1

Total index size: 20.48 kB

# Snippets:-

# Admin:-

<div>ADD DATAEXPORT DATA</div> <div>1-1 of 1</div>
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div>

</

## Buyer:-

ADD DATA	EXPORT DATA	1-3 of 3
<pre>{   "_id": "ObjectId('662c388e8688e7003f4c487b')",   "name": "prasad",   "phone": "9740645868",   "password": "123",   "address": "nol",   "email": "prasad123@gmail.com",   "wallet_amount": 20000 }</pre>		
<pre>{   "_id": "ObjectId('662c388e2058e7009f4c487b')",   "name": "havya",   "phone": "9241174712",   "password": "123",   "address": "nol",   "email": "havya12301@gmail.com",   "wallet_amount": 4400 }</pre>		
<pre>{   "_id": "ObjectId('662c388e058e7009f4c487b')",   "name": "havya",   "phone": "933ET458464",   "password": "123",   "address": "nol",   "email": "havya123@gmail.com",   "wallet_amount": 223 }</pre>		

## Category:-

ADD DATA	EXPORT DATA	1-2 of 2
<pre>{   "_id": "ObjectId('662c388e058e7009f4c487b')",   "category_name": "electronic" }</pre>		
<pre>{   "_id": "ObjectId('662c388e1e05e7009f4c487b')",   "category_name": "hard ware" }</pre>		

## Payment:-

ADD DATA	EXPORT DATA	1-1 of 1
<pre>{   "_id": "ObjectId('662c388e7e05e7009f4c487b')",   "paidFor": "ObjectId('662c388e1e05e7009f4c487b')",   "paidTo": "ObjectId('662c388e058e7009f4c487b')",   "amount": 22000,   "paidBy": "ObjectId('662c388e058e7009f4c487b')",   "date": "2024-06-27T11:33:53.215+00:00",   "status": "Amount Paid" }</pre>		

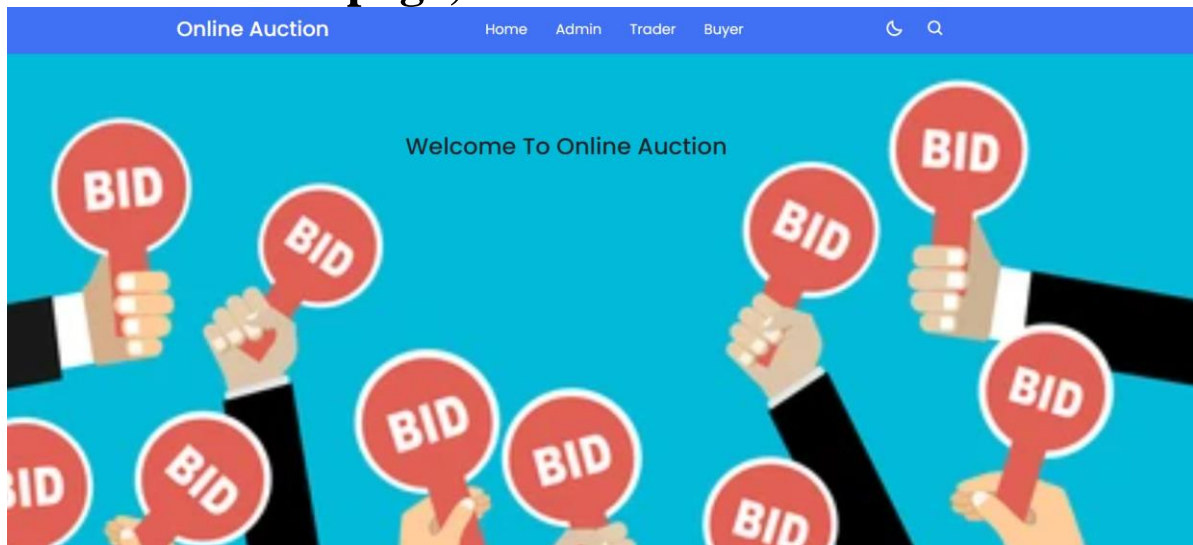
## Product:-

## Session:-

### Traders:-

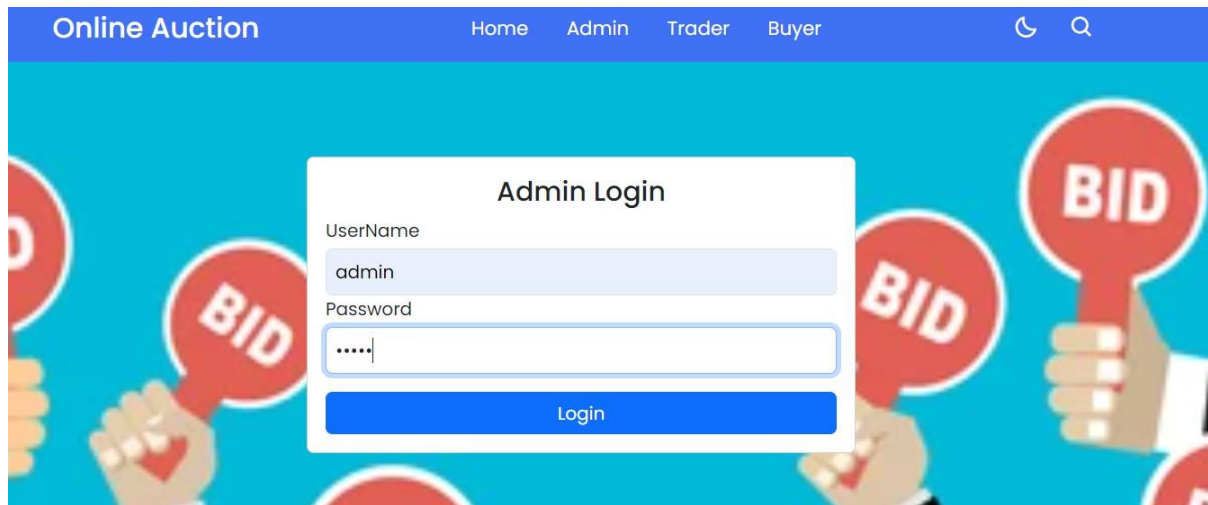


## Website Home page;-



It is the homepage of an online auction website. We have three modules. admin, trader and buyer.

## Admin login page:-

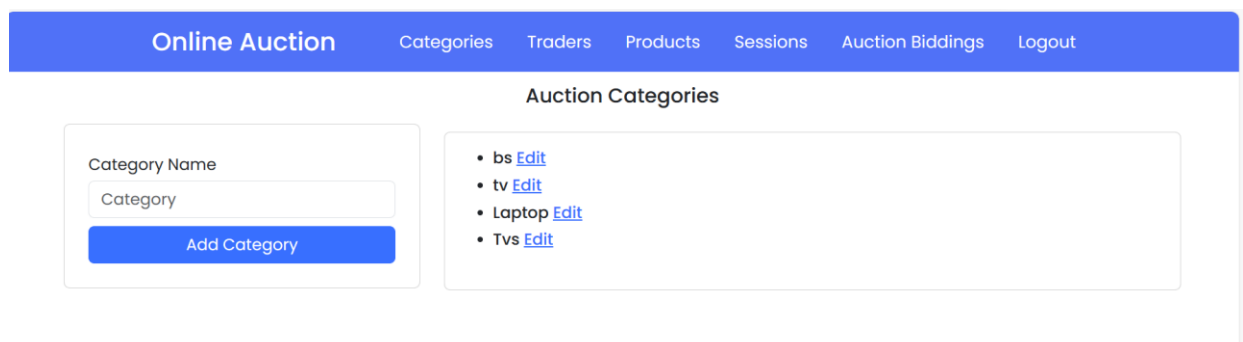
The screenshot shows the 'Admin Login' page of an 'Online Auction' website. The page has a blue header with navigation links: Home, Admin, Trader, and Buyer. A central white box contains the login form with fields for 'UserName' (pre-filled with 'admin') and 'Password' (masked with dots). A blue 'Login' button is at the bottom of the form. The background features a blue pattern with red circles containing the word 'BID' and hands holding red auctioneer gongs.

It is an admin login page, the admin can login into the website with predefined login credentials like user name and password.

**Admin Trader Approval :-** Admin is going to approve newly register Traders.

Online Auction							
Categories Traders Products Sessions Auction Biddings Logout							
Name	Email	Phone	City	Zip Code	Address	Status	Action
	niteeshkumar3p@gmail.com	0897 328 7777			BORRA BAZZAR		<a href="#">Not Verify</a>
Krishna Narendra	krishnanarendra42@gmail.com	6605280188	admin	64468	1419 N college Dr	Verified	<a href="#">Not Verify</a>
hufed sjidj	jyg@gmail.com	78847878487	admin	64468	dhgfykwd	Verified	<a href="#">Not Verify</a>
Niteesh Pondugula	nitishkumar22p@gmail.com	6038580970	overland park	66332	140th	Verified	<a href="#">Not Verify</a>

## Admin add category:-

The screenshot shows the 'Auction Categories' page. It has a blue header with navigation links: Online Auction, Categories, Traders, Products, Sessions, Auction Biddings, and Logout. The main content area is titled 'Auction Categories'. On the left, there is a form with a 'Category Name' input field and an 'Add Category' button. On the right, there is a list of existing categories: 'bs', 'tv', 'Laptop', and 'Tvs', each followed by an 'Edit' link.

The admin can login into the website with predefined login credentials. After that, the admin can add the category name by clicking the add

category button in the website.

**Admin Bidding Commission :-** Admin can modify the percentage of the product depending on the bidding .

Ig (Tvs)

Student Accounts

Account Summary

Account Activity

Make a Payment

Charges Due

Payment History

Pending Financial Aid

Account Services

Account Balance

Post Account Statement

Direct Deposit

What I Owe

Term	Charges & Deposits	Pending Financial Aid	Total Due
2023 Fall	14,213.00	0.00	14,213.00
Total	14,213.00	0.00	14,213.00

Currency used is US Dollar

Product Session

Min Bidding Price

\$ 200

Quantity

1

Condition

good

Post By

(6038580970)

About

best

Admin %

Approve Product

**Admin view Products:-**

## laptop (electronic)



Product Session

Min Bidding Price

**\$ 5000**

Post By

**hari(74584584)**




About

**good**

**Approve Product**

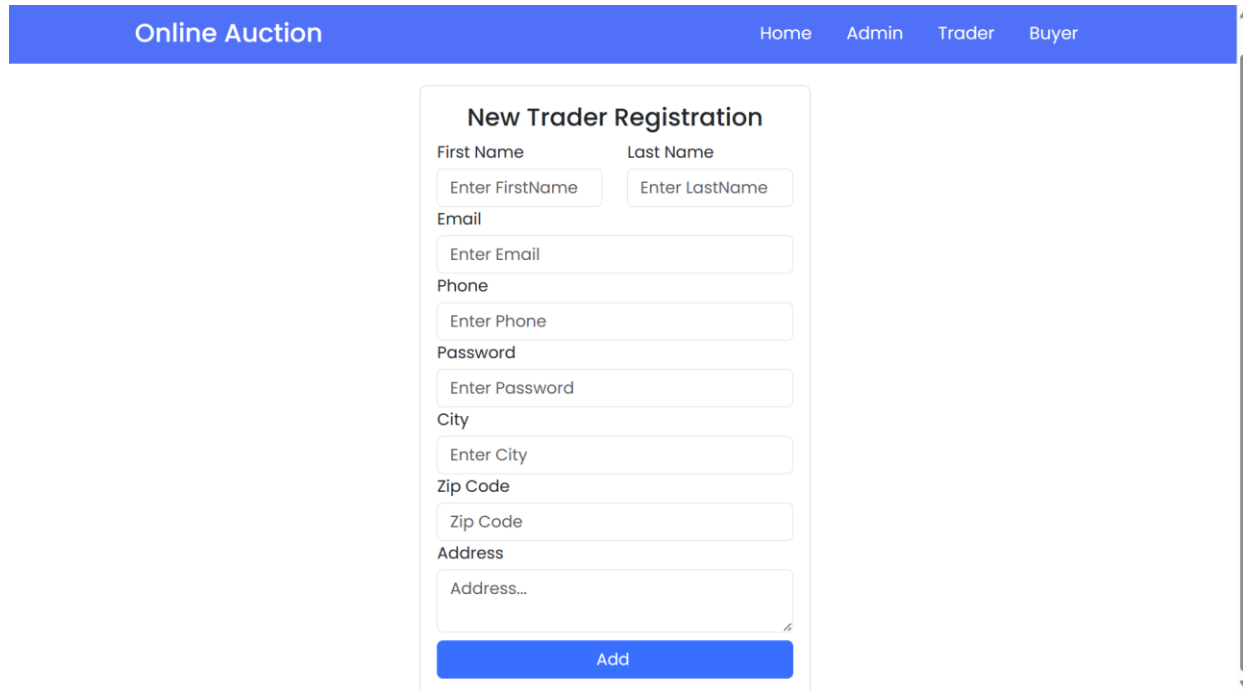
The admin will view and verify the added products by the trader and approve the products by clicking the approve product button in the website.

Admin view all bidding:-

Biddings							
Product	Bid StartDate	Bid EndDate	Bidded Date	Bidding Amount	Bid By	Status	Admin Amount(5%)
 Tv	28-04-2024 10:00 AM	27-04-2024 10:45 AM	27-04-2024 11:09 AM	\$ 15000	prasad	Suspended	\$750.0
 Tv	28-04-2024 10:00 AM	27-04-2024 10:45 AM	27-04-2024 11:17 AM	\$ 15600	kavya	Received	\$780.0
 Tv	28-04-2024 10:00 AM	27-04-2024 10:45 AM	27-04-2024 11:18 AM	\$ 15400	navya	Suspended	\$770.0
 laptop	27-04-2024 06:00 PM	27-04-2024 04:30 PM	27-04-2024 05:07 PM	\$ 5100	prasad	Suspended	\$255.0
 laptop	27-04-2024 06:00 PM	27-04-2024 04:30 PM	27-04-2024 05:09 PM	\$ 5600	kavya	Dispatched	\$280.0

The admin can view all the biddings by clicking the biddings button in the website.

## Trader Registration page:-

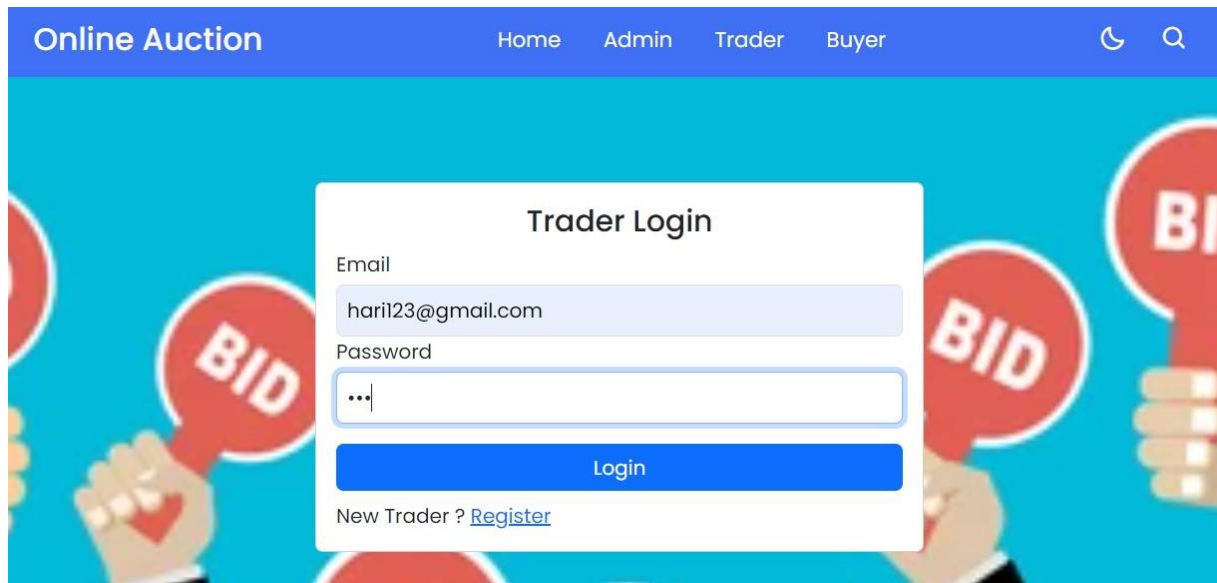


The screenshot shows a web application interface for 'Online Auction'. The top navigation bar is blue with white text for 'Online Auction' and links for 'Home', 'Admin', 'Trader', and 'Buyer'. The main content area features a 'New Trader Registration' form. The form includes fields for 'First Name' and 'Last Name' (each with a placeholder 'Enter FirstName' and 'Enter LastName'), 'Email' (placeholder 'Enter Email'), 'Phone' (placeholder 'Enter Phone'), 'Password' (placeholder 'Enter Password'), 'City' (placeholder 'Enter City'), 'Zip Code' (placeholder 'Zip Code'), and 'Address' (placeholder 'Address...'). A blue 'Add' button is at the bottom of the form.

New Trader Registration	
First Name	Last Name
<input type="text" value="Enter FirstName"/>	<input type="text" value="Enter LastName"/>
Email	
<input type="text" value="Enter Email"/>	
Phone	
<input type="text" value="Enter Phone"/>	
Password	
<input type="text" value="Enter Password"/>	
City	
<input type="text" value="Enter City"/>	
Zip Code	
<input type="text" value="Zip Code"/>	
Address	
<input type="text" value="Address..."/>	
<input type="button" value="Add"/>	

This is the Trader registration page of the website. Before login into the website the trader must be registered with their name, phone, email, password, address and by clicking on the add button then trader can,register,into,the,website.

## Trader Login page:-

The image shows a web browser window with a blue header bar. The header contains the text "Online Auction" on the left and navigation links "Home", "Admin", "Trader", and "Buyer" in the center. On the right side of the header are icons for a refresh button and a search button. The main content area has a light blue background with a pattern of red circles containing the word "BID" and hands holding them. In the center, there is a white login form titled "Trader Login". The form has two input fields: "Email" with the value "haril23@gmail.com" and "Password" with three dots indicating a masked password. Below the password field is a blue "Login" button. At the bottom of the form, it says "New Trader ? [Register](#)".

Online Auction

Home Admin Trader Buyer

Trader Login

Email  
haril23@gmail.com

Password  
...

Login

New Trader ? [Register](#)

The Trader can login into the website with their email and password, by clicking on the login button they will login into the website.

## Trader add products:-

Product Name

Enter Title

Minimum Bidding Price

Enter Price

Quantity

Enter Quantity

Categories

Choose Category

Product Condition

Good

Upload Picture

Choose File

No file chosen

About

About..

Add Product


The Trader can add the products into the website by adding the complete details about the products and by clicking on the add product button then the products will be added into the website.

**Trader view products:-**



Auction Products

Tv (electronic)



Product Session  
27-04-2024 10:45 AM ==> 28-04-2024 10:00 AM

Min Bidding Price  
\$ 15000

Post By  
hari(74584584)

About  
good product

Product Biddings

speaker (hard ware)



Product Session  
Min Bidding Price  
\$ 5000

Post By  
hari(74584584)

About  
super

The trader can view the product details like product session, min bidding price, postby and about into the website.

**Trader add bid:-**

## laptop (electronic)



Product Session

Min Bidding Price

**\$ 5000**

Post By

**hari(74584584)**

About

**good**

**Post For Bid**

If the admin approves the product then the trader login in to the website. After that he posts the product for bid by clicking the post for bid button.

Session Start Date

27-04-2024 16:30




Session End Date

27-04-2024 18:00



Post For Bid

The Admin will add the session start date and session end date by clicking the post for bid button in the website.

## Trader view bidding:-

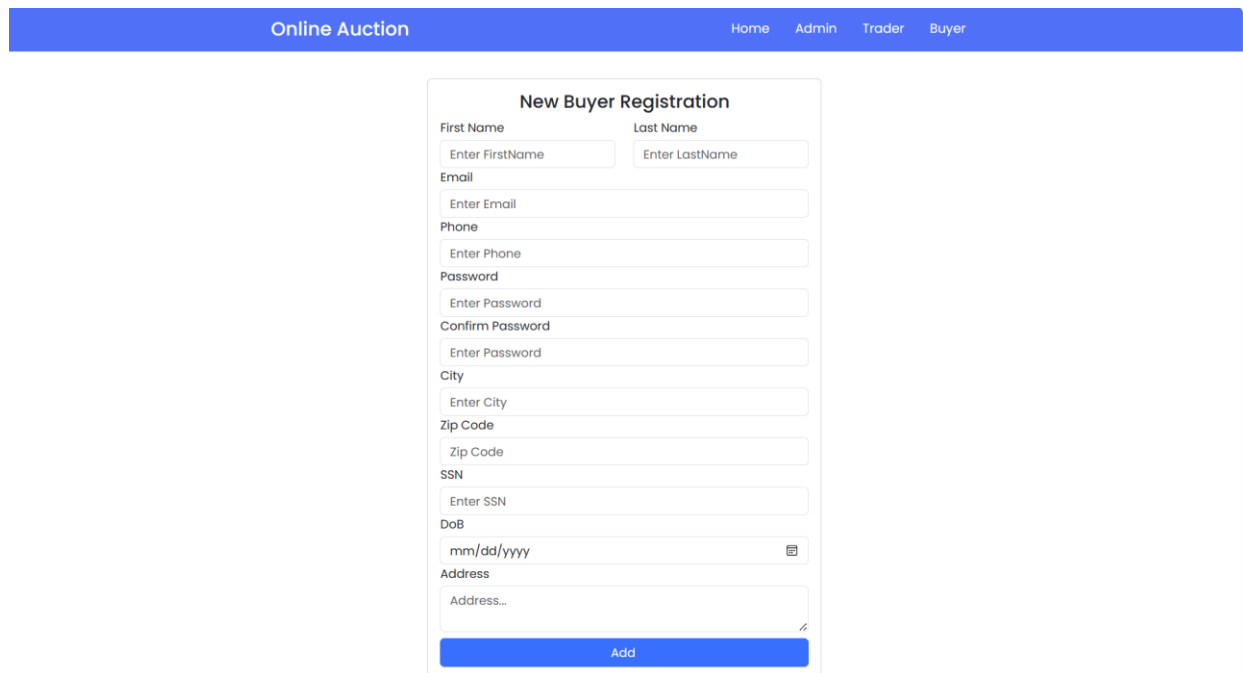
Biddings								
Product	Bid StartDate	Bid EndDate	Bidded Date	Bidding Amount	Bid By	Status	Admin Amount(5%)	Action
 Tv	28-04-2024 10:00 AM	27-04-2024 10:45 AM	27-04-2024 11:17 AM	\$ 15600	kavya	Received	\$780.0	
 laptop	27-04-2024 06:00 PM	27-04-2024 04:30 PM	27-04-2024 05:07 PM	\$ 5100	prasad	Bidded	\$255.0	Least Amount
 laptop	27-04-2024 06:00 PM	27-04-2024 04:30 PM	27-04-2024 05:09 PM	\$ 5600	kavya	Bidded	\$280.0	<button>Assign</button>

The trader view all bidding and the product will be assigned to the highest bidder of the buyer by clicking the assign button in the website

Biddings								
Product	Bid StartDate	Bid EndDate	Bidded Date	Bidding Amount	Bid By	Status	Admin Amount(5%)	Action
 Tv	28-04-2024 10:00 AM	27-04-2024 10:45 AM	27-04-2024 11:17 AM	\$ 15600	kavya	Received	\$780.0	
 laptop	27-04-2024 06:00 PM	27-04-2024 04:30 PM	27-04-2024 05:09 PM	<u>\$ 5600</u>	kavya	Amount Paid	\$280.0	<button>Dispatch Product</button>

After assigning the product when the buyer pay the amount then the status will changes as a dispatch product

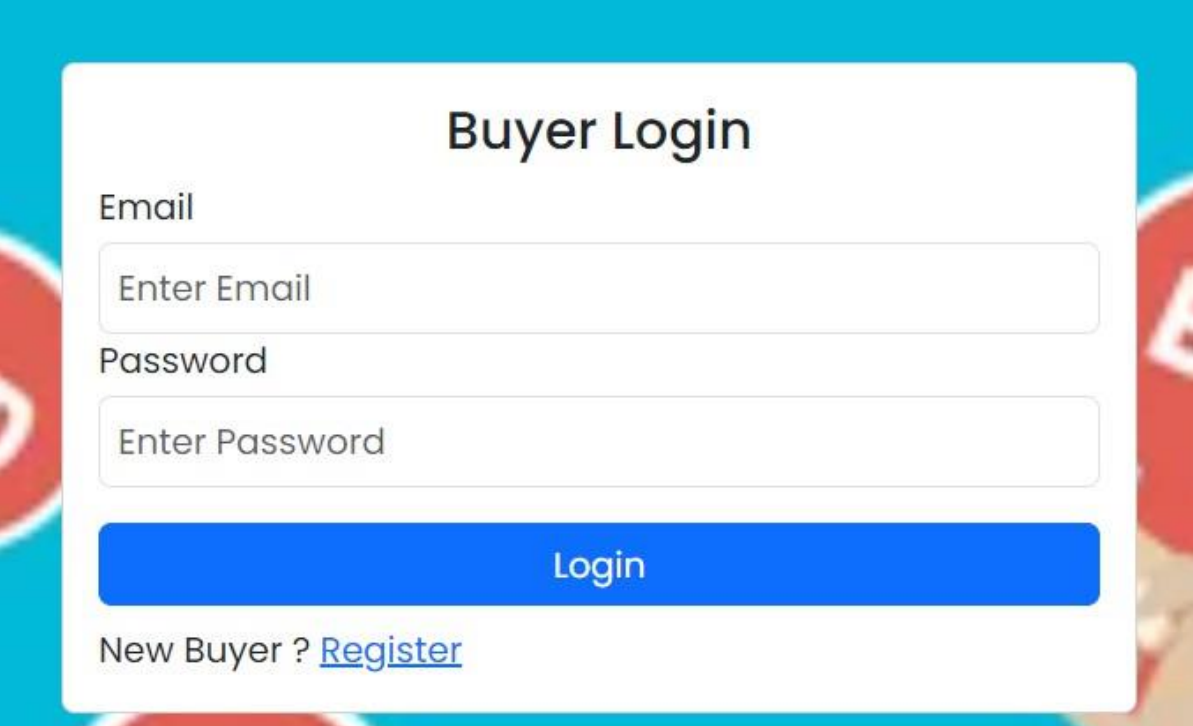
## Buyer Registration page:-



The screenshot displays the 'New Buyer Registration' form on a website with a blue header. The header contains the text 'Online Auction' on the left and navigation links 'Home', 'Admin', 'Trader', and 'Buyer' on the right. The registration form is titled 'New Buyer Registration' and includes the following fields: 'First Name' (with placeholder 'Enter FirstName'), 'Last Name' (with placeholder 'Enter LastName'), 'Email' (with placeholder 'Enter Email'), 'Phone' (with placeholder 'Enter Phone'), 'Password' (with placeholder 'Enter Password'), 'Confirm Password' (with placeholder 'Enter Password'), 'City' (with placeholder 'Enter City'), 'Zip Code' (with placeholder 'Zip Code'), 'SSN' (with placeholder 'Enter SSN'), 'DoB' (with a date format 'mm/dd/yyyy' and a calendar icon), and 'Address' (with placeholder 'Address...'). A blue 'Add' button is located at the bottom of the form.

This is the buyer registration page of the website. Before login into the website the buyer must be registered with their name, phone, email, password, address and by clicking on the add button then the buyer can register into the website.

## Buyer Login page:-

A screenshot of a web page titled "Buyer Login". The page has a white background with a blue border. It contains two input fields: "Email" with the placeholder text "Enter Email" and "Password" with the placeholder text "Enter Password". Below these fields is a blue button labeled "Login". At the bottom, there is a link that says "New Buyer ? [Register](#)".

Buyer Login

Email

Enter Email

Password

Enter Password

Login

New Buyer ? [Register](#)

The buyer can login into the website with their email and password,by clicking on the login button they will login into the website.

## Buyer search product:-

laptop (electronic)

Product Session

27-04-2024 04:30 PM ==> 27-04-2024 06:00 PM

Min Bidding Price

\$ 5000

Post By

hari(74584584)

About

good

After login in to the website then the buyer can see the products and add the amount by clicking the bid button in the website.

### Buyer view auction:-

Product	Bid StartDate	Bid EndDate	Bidder Name	Bidding Amount	Bid By	Status	Action
Tv	28-04-2024 10:00 AM	27-04-2024 10:45 AM	27-04-2024 11:17 AM	\$ 15600	kavya	Received	
laptop	27-04-2024 06:00 PM	27-04-2024 04:30 PM	27-04-2024 05:09 PM	\$ 5600	kavya	Bidder	

The buyer can view the auction after clicking the bid button on the website.

## Payment:-

### Payment Action

Name On Card

holder\_name

Card Number

Card Number

Expire Date

Expire Date

Payment Type

Payment Type

CVV

Enter CVV

Amount

5600

Pay

After assigned the product then the buyer will pay the amount it contains the name on card, card number, expiry date, payment type, cvv, amount by clicking on the pay button in the website. Then the status is changed as a paid.