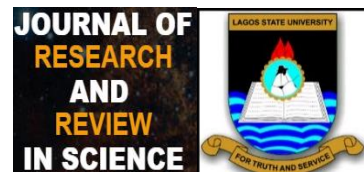


Research Article

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DOI: [10.36108/jrrslasu/4202.11.0182](https://doi.org/10.36108/jrrslasu/4202.11.0182)**ORIGINAL RESEARCH****DESIGN AND IMPLEMENTATION OF E-AUCTION/BIDDING SYSTEM*****Kehinde Sotonwa¹, Mauton Asokere¹, Telema Elisha-Opusunju¹***¹Department of Computer Science,
Lagos State University, Ojo, Nigeria**Abstract:****Introduction:** Auctions are a common method for people to contest for a variety of goods, such as electronics, properties, and artwork, where the highest bid is selected.**Aims:** This research focused on designing and developing an online auction system to effectively address the issue of shill bidding- a type of fraud where a seller or third party artificially inflates the price of an item by submitting false bids.**Materials and Methods:** The system was developed using HTML, CSS, and JavaScript for the front end, and PHP and MySQL for the back end. Several features were incorporated to prevent shill bidding, including the use of SKU codes known only to the system administrator, the elimination of a search bar, and the introduction of user profiles and seller accounts. The software was tested to evaluate its effectiveness in mitigating shill bidding.**Results:** The results showed a significant decrease in suspicious bids and an increase in user satisfaction that the system is a valuable tool for preventing shill bidding in online auctions.**Conclusion:** The eAuction system effectively performs core functionalities. This study enhanced the design and implementation by adding an admin and bidder interface. These interfaces improve user experience with features like browsing, searching, and bidding. This enhanced usability improves performance and helps prevent shill bidding, increasing security and transparency.**To Keywords:** Auctioneer, Shill bidding, eAuction, Admin interface, Bidder interface

All co-authors agreed to have their names listed as authors.

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1. INTRODUCTION

Electronic commerce (e-commerce) has seen rapid growth in recent years, with a surge in consumers turning to online shopping for its convenience and other benefits. E-commerce platforms and online auctions are attracting significant interest, with companies like eBay, eBid, Quibid, Sotheby's, Copart, Auction.com, GSA Auctions, Invaluable, and Deal-Dash launching their own auction platforms (Krishna, 2002; Lin et al; 2020).

An e-auction (electronic auction, online auction, or virtual auction) is an auction conducted over the internet and accessible through internet-connected devices (Micheal and Ignatov, 2019). Much like traditional in-person auctions, e-auctions come in various formats with different bidding and selling rules [6]. In an e-auction, an auctioneer provides an online platform that connects sellers with buyers. Buyers can submit bids according to the specific auction type's rules, such as the multiple bidding process in an English auction or the single bid in a Dutch auction (Kleusberg, 2009; Engelbrecht-Wiggans and Katok, 2006). Sealed-bid auctions and their close variant, second-price sealed-bid auctions, offer a quick and straightforward bidding process (Wyld, 2012). Double auctions, with or without an open outcry, use a process that allows bidders and sellers to negotiate towards a fair market price (<https://withpersona.com/blog/auction-fraud/>).

Fraudulent activity during the auction process, such as the use of automated bidding programs and collusion, can negatively impact the integrity of auctions and erode trust among both buyers and sellers. Further research is needed into these types of fraud and the development of tools to detect and prevent them (Dong, 2012). Some common problems associated with e-auctions include failure to deliver items, misinterpretations of auction details, shill bidding, and the sale of black-market goods. Shill bidding, in particular, has become more prevalent according to recent trends. These issues deter some internet users from participating in online auctions (Kauffman and Wood, 2005; Nikitkov and Bay, 2008; Rothkopf et al; 1990; Porter and Shoham, 2003; Zeithammer, 2007).

Several studies have explored systems designed to address e-auction challenges. For instance, one system focused on English auctions proposes an open and adaptable architecture for automated negotiations using agents. This system incorporates an agent-based auction server with a web-based graphical user interface (GUI). To reduce the burden on individual agents when a large number of participants are present, proxies manage a portion of the interactions with auction participants. However, this system has a narrow focus and lacks rigorous testing on larger networks (Badica et al; 2014).

Another system comprised two components: a customer interface and an administration interface. The administrator can oversee the entire bidding system using a control panel, while customers can upload products to sell and place bids through the customer interface. However, this system requires improvements in design, implementation, and documentation for better performance. Additionally, measures to prevent shill bidding are necessary to enhance security (Sazzad and Billah, 2016).

A choice screen auction system in the European Union was developed to allow customers to use the Android platform and their preferred search engine instead of Google's search engine (Ostrovsky, 2021). Another study describes a website designed to manage car presentations and conduct regular auctions. The website offered fast, 24/7 services and included financing guidelines from nearby financial institutions; however, it was limited by budget constraints (Baddaei and Saqib, 2021).

One study introduced a customer interface to facilitate sales through a customer panel. This led to a slight increase in shill bidding, as some vendors who were also customers placed bids on their own products, resulting in fraudulent activity. To address these issues, the current research aims to mitigate shill bidding in the issue of search by removing a search bar, user profiles, and seller accounts, thereby reducing fraudulent activities (Sazzad and Billah, 2016).

2. MATERIAL AND METHODS

This study designs a high-level software concept for an eAuction system. The system displays information for both administrators and bidders, including the auction's current state, bids, time, amount, transaction

records, and the cancellation of any unfulfilled bids. The system utilizes HTML and CSS for the user interface, JavaScript for front-end functionality, and PHP and MySQL for the backend. A system architecture for this system is illustrated in Fig. 1.

Activity diagrams are employed to visualize interactions, such as bid and user management, notification systems, and payment integrations, between users, the system and the admin. Fig. 2 presents the flow chart that facilitates user interaction with the system, it shows bidder panel, enabling bidders to register, sign in, view available categories of product available, and place bids on products within a category. While Fig. 3 depicts the activity flow diagram for the administrator panel, granting administrators control over both the server and the bidder site to execute various activities. Some of the functionalities provided by bidder panel are: register, categories, product details all products, bid and some functionalities provided by the admin panel are. product check: update and delete product, insert, edit and delete categories, update bid,

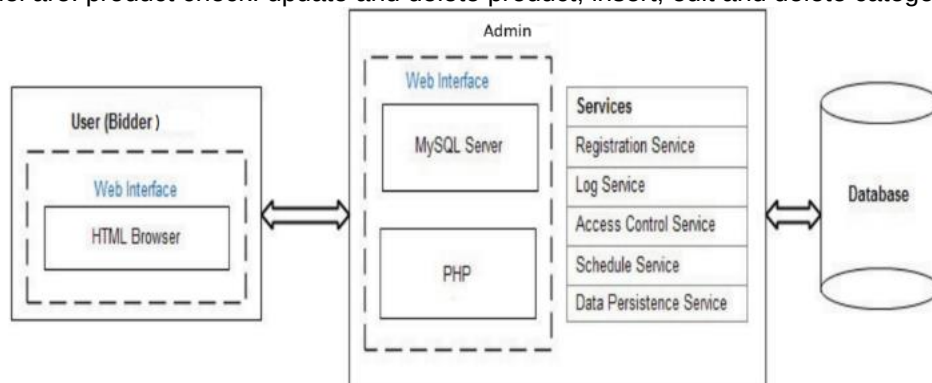


Fig. 1: System architecture (modified from Majadi et al; 2016)

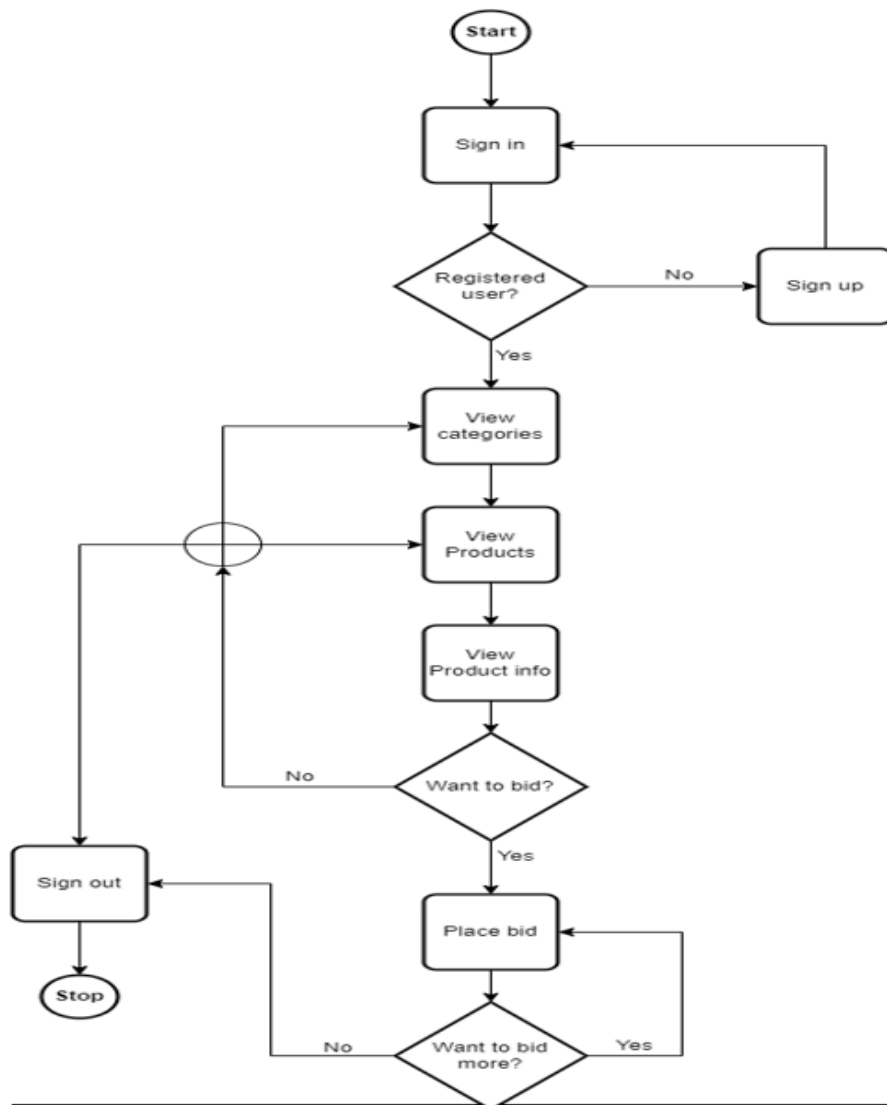


Fig. 2. Flow diagram for the bidder panel

edit bid, notify bidder and seller, edit user, delete user.



Fig. 3. Flow diagram for the admin panel

3. RESULTS AND DISCUSSION

3.1 Web Application Interface

The web application interface for the eAuction system includes several pages for logging in, browsing products, viewing user profiles, searching, bidding, and checking out. These pages allow users to interact with the system and complete tasks such as searching for products, placing bids, and making purchases. The interface is designed to be user-friendly and intuitive, allowing users to easily navigate and use the system. The source codes for the application interfaces is given in the Appendix.

3.2 Bidders Interface

The bidders interface comprises of home page illustrated that anyone may log in or register using the provided log-in link on the home or index page. Even if they have not signed in or registered, they can still view the page for today's auction items but have to login or signup first before they can bid. This home page consists of the categories page where the user can see all categories alongside different products in their category section entailed username, password, bidding form to view the product and its properties as well as proceeding to bid if interested, Fig. 4 represent the auction bidding registration for bidder interfaces.

Fig.4. Auction bidding registration form

3.3 Admin Interface

Admin can login to see username and a password for a successful login of bidder, here the admin can view the available categories, add a category, edit a category, and delete a category, the product page depicts the admin being able to view the available products, add a new product, edit a product, delete a product and view other information based on that product. Admin can view the bids and the buyers' details and can edit or delete the user and can also edit the contact information, this can be seen in Fig. 5.

#	Name	Bidder	Amount	Status	Action
1	Smart Watch	Administrator	400.00	Wish to Bid	View Buyer Details
2	Camera	John Smith	1,000.00	Bidding Stage	View Buyer Details
3	Samsung Phone	John Smith	900.00	Bidding Stage	View Buyer Details
4	Women Shoes	Aisha	350.00	Wish to Bid	View Buyer Details
5	Camera	Aisha	900.00	Bidding Stage	View Buyer Details
6	Smart Watch	Aisha	1,100.00	Bidding Stage	View Buyer Details
7	Women Shoes	Telema	320.00	Wish to Bid	View Buyer Details
8	Samsung Phone	Telema	800.00	Bidding Stage	View Buyer Details
9	Camera	Telema	900.00	Bidding Stage	View Buyer Details
10	Smart Watch	Telema	1,000.00	Bidding Stage	View Buyer Details
11	Samsung Phone	Chioma	1,000.00	Bidding Stage	View Buyer Details

Fig. 5. How to manage product to the stage pf bidding

Table 1 below displays interface for user authentication. The structure of the bids consists of bidding details, which help to display bids for categorized products showing newly added and deleted products, and as well manage old biddings information.

Table 1. The users, bids, categories and products table structures

S/N	Fields	Datatype	Description	Field Size
1.	ID	Int	Unique identifier for the generic users	30
2.	Name	Text	Name of registered user	100
3.	Username	Varchar	Name user would want displayed on the website	100
4.	Password	Text	Gives access	100
5.	Email	Varchar	Contains the email of the user	100
6.	Contact	Varchar	Contains user contact	20
7.	Address	Text	Contains address of the user	100
8.	Type	Tinyint	Shows if the user is an admin or subscriber	100
9.	Date_created	Datetime	Date user account was created	
Bids and categories table structure				
1.	ID	Int	Unique identifier for the generic users	30
2.	User_id	Int	Id of the registered user	30
3.	Product_id	Int	The product identifier	30
4.	Bid_amount	Float	Amount that has been bid on a particular product	100
5.	Status	Tinyint	1=bid, 2=confirmed, 3=cancelled	100
6.	Name	Varchar	Name of Category	200
Products table structure				
1.	Category_id	Int	Category identifier	30
2.	Name	Varchar	Name given to a product	200
3.	Description	Text	Description of the product	200
4.	Start_bid	Float	Time and date the bid starts	100
5.	Regular_price	Float	Initial price given to a product	20
6.	Bid_end_datetime	DateTime	Time and date the bid ends	100
7.	Img_fname	Text	Image of the product	100
8.	Date_created	DateTime	Date bid commenced	

4. CONCLUSION

The eAuction system has significantly impacted customers' lives. With the advancement of technology, it is expected to experience steady growth in the coming years. eAuction systems have propelled businesses to new heights, and customers have become more discerning and efficient in their purchasing behavior. This shift has compelled many firms to implement necessary modifications and adapt to the evolving market of informed consumers. The findings of this study underscore the critical need for companies to prioritize the internet market. Even consumers who still favor traditional retailers have demonstrated positive attitudes and behaviors toward the eAuction system. The eAuction system has proven capable of fulfilling the essential functionalities required for an online auction. This study enhanced the system's design, implementation, and documentation by incorporating an admin interface and a bidder interface. These interfaces facilitate user-friendly and intuitive interactions, enabling users to log in, browse products, view user profiles, search, and place bids with ease. This improved usability contributes to enhanced performance and has effectively mitigated the risk of shill bidding, thereby bolstering security and transparency while reducing fraudulent activities. Future research on eAuction systems could focus on enhancing security and reliability, as security breaches can occur at any time which can lead to data theft, financial losses, and fraudulent activities. To mitigate these risks, future research should focus on advanced cryptographic techniques to secure processes without exposing bid values, integrating block chain to create a tampering proof and transparent auction ledger to ensure secure transaction and eliminating fraudulent activities such as bid rigging, leveraging on AI based fraud detection and enhancing user verification methods through biometrics, behavioral analytics and multi layered authentication system. Developing more sophisticated algorithms that can integrate with other platforms and improving the system's capacity to handle large volumes of data are also crucial areas for future development.

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APPENDIX

1. db_connect.php

```
<?php
// $conn=mysqli_connect('localhost','root','','bidding_db')or
die("Could not connect to mysql".mysqli_error($conn));
$server = "localhost";
$username = "root";
$password = "";
$databasename = "bidding_db";
$conn = mysqli_connect($server, $username, $password,
$databasename);
if(!$conn){
    die("Not Connected: ". mysqli_connect_error());
}
?>
```

2. login.php

```
<!DOCTYPE html>
<html lang="en">
<?php
session_start();
```

```
include('./db_connect.php');
ob_start();
if(!isset($_SESSION['system'])){
    $system = $conn->query("SELECT * FROM system_settings
limit 1")->fetch_array();
    foreach($system as $k => $v){
        $_SESSION['system'][$k] = $v;
    }
}
ob_end_flush();
?>
<head>
<meta charset="utf-8">
<meta content="width=device-width, initial-scale=1.0"
name="viewport">
<title><?php echo $_SESSION['system']['name'] ?></title>
<?php include('./header.php'); ?>
<?php
if(isset($_SESSION['login_id']))
```



```

header("location:index.php?page=home");
?>
</head>
<style>
  body{
    width: 100%;
    height: calc(100%);
    /*background: #007bff;*/
  }
  main#main{
    width:100%;
    height: calc(100%);
    background:white;
  }
  #login-right{
    position: absolute;
    right:0;
    width:40%;
    height: calc(100%);
    background:white;
    display: flex;
    align-items: center;
  }
  #login-left{
    position: absolute;
    left:0;
    width:60%;
    height: calc(100%);
    background-image:url(..images/Login.jpg);
    display: flex;
    align-items: center;
    /* background: url(assets/uploads/<?php echo
$_SESSION['system']['cover_img'] ?>); */
    background-repeat: no-repeat;
    /* background-size: cover; */
    background-size: contain;
  }
  #login-right .card{
    margin: auto;
    z-index: 1
  }
  .logo {
    margin: auto;
    font-size: 8rem;
    background: white;
    padding: .5em 0.7em;
    border-radius: 50% 50%;
    color: #000000b3;
    z-index: 10;
  }
  div#login-right::before {
    content: "";
    position: absolute;
    top: 0;
    left: 0;
    width: calc(100%);
    height: calc(100%);
    background: #000000e0;
  }
</style>
<body>
  <main id="main" class=" bg-dark">
    <div id="login-left">
    </div>
    <div id="login-right">
      <div class="card col-md-8">
        <div class="card-body">
          <form id="login-form" >
            <div class="form-group">
              <label for="username" class="control-
label">Username</label><input type="text" id="username"
name="username" class="form-control">
            </div>

```

```

            <div class="form-group"><label for="password"
class="control-label">Password</label><input type="password"
id="password" name="password" class="form-control">
            </div>
            <center><button class="btn-sm btn-block btn-
wave col-md-4 btn-primary">Login</button></center>
          </form>
        </div>
      </div>
    </div>
    </main>
    <a href="#" class="back-to-top"><i class="icofont-simple-
up"></i></a>
  </body>
<script>
  $('#login-form').submit(function(e){
    e.preventDefault()
    $('#login-form
button[type="button"]').attr('disabled',true).html('Logging in...');
    if($(this).find('.alert-danger').length > 0 )
      $(this).find('.alert-danger').remove();
    $.ajax({
      url:'ajax.php?action=login',
      method:'POST',
      data:$(this).serialize(),
      error:err=>{
        console.log(err)
      }
      $('#login-form
button[type="button"]').removeAttr('disabled').html('Login');
    },
    success:function(resp){
      if(resp == 1){
        location.href ='index.php?page=home';
      }else{
        $('#login-form').prepend('<div class="alert alert-
danger">Username or password is incorrect.</div>')
        $('#login-form
button[type="button"]').removeAttr('disabled').html('Login');
      }
    }
  })
  })
</script>
</html>
3. home.php
<?php include 'db_connect.php' ?>
<style>
  span.float-right.summary_icon {
    font-size: 3rem;
    position: absolute;
    right: 1rem;
    color: #ffffff96;
  }
  .imgs{
    margin: .5em;
    max-width: calc(100%);
    max-height: calc(100%);
  }
  .imgs img{
    max-width: calc(100%);
    max-height: calc(100%);
    cursor: pointer;
  }
  #imagesCarousel,#imagesCarousel .carousel-
inner,#imagesCarousel .carousel-item{
    height: 60vh !important;background: black;
  }
  #imagesCarousel .carousel-item.active{
    display: flex !important;
  }
  #imagesCarousel .carousel-item-next{
    display: flex !important;
  }
  #imagesCarousel .carousel-item img{
    margin: auto;

```

```

    }
    #imagesCarousel img{
        width: auto!important;
        height: auto!important;
        max-height: calc(100%)!important;
        max-width: calc(100%)!important;
    }
</style>
<div class="containe-fluid">
    <div class="row mt-3 ml-3 mr-3">
        <div class="col-lg-12">
            <div class="card">
                <div class="card-body">
                    <?php echo "Welcome back ".
$_SESSION['login_name'].!" ?>
                    <hr>
                </div>
            </div>
        </div>
    </div>
</div>
<script>
    $('#manage-records').submit(function(e){
        e.preventDefault()
        start_load()
        $.ajax({
            url:'ajax.php?action=save_track',
            data: new FormData($(this)[0]),
            cache: false,
            contentType: false,
            processData: false,
            method: 'POST',
            type: 'POST',
            success:function(resp){
                resp=JSON.parse(resp)
                if(resp.status==1){
                    alert_toast("Data successfully saved",'success')
                    setTimeout(function(){
                        location.reload()
                    },800)
                }
            }
        })
    })
    $('#tracking_id').on('keypress',function(e){
        if(e.which == 13){
            get_person()
        }
    })
    $('#check').on('click',function(e){
        get_person()
    })
    function get_person(){
        start_load()
        $.ajax({
            url:'ajax.php?action=get_pdetails',
            method:"POST",
            data:{tracking_id : $('#tracking_id').val()},
            success:function(resp){
                if(resp){
                    resp = JSON.parse(resp)
                    if(resp.status == 1){
                        $('#name').html(resp.name)
                        $('#address').html(resp.address)
                        $('#name="person_id"]').val(resp.id)
                        $('#details').show()
                        end_load()
                    }else if(resp.status == 2){
                        alert_toast("Unknow tracking id.",'danger');
                        end_load();
                    }
                }
            }
        })
    }
}

```

</script>

4. categories.php

```

<?php include('db_connect.php');?>
<div class="container-fluid">
    <div class="col-lg-12">
        <div class="row">
            <!-- FORM Panel -->
            <div class="col-md-4">
                <form action="" id="manage-category">
                    <div class="card">
                        <div class="card-header">
                            Category Form
                        </div>
                        <div class="card-body">
                            <input type="hidden" name="id">
                            <div class="form-group">
                                <label class="control-label">Name</label>
                                <input type="text" class="form-control" name="name">
                            </div>
                        </div>
                        <div class="card-footer">
                            <div class="row">
                                <div class="col-md-12">
                                    <button class="btn btn-sm btn-primary col-sm-3 offset-md-3">
                                        Save</button>
                                    <button class="btn btn-sm btn-default col-sm-3" type="button"
                                        onclick="$('#manage-category').get(0).reset()">
                                        Cancel</button>
                                </div>
                            </div>
                        </div>
                    </div>
                </form>
            </div>
            <!-- FORM Panel -->
            <!-- Table Panel -->
            <div class="col-md-8">
                <div class="card">
                    <div class="card-header">
                        <b>Category List</b>
                    </div>
                    <div class="card-body">
                        <table class="table table-bordered table-hover">
                            <thead>
                                <tr>
                                    <th class="text-center">#</th>
                                    <th class="text-center">Category</th>
                                    <th class="text-center">Action</th>
                                </tr>
                            </thead>
                            <tbody>
                                <?php
                                $i = 1;
                                $category = $conn->query("SELECT *
                                FROM categories order by id asc");
                                while($row=$category->fetch_assoc()){
                                    ?>
                                    <tr>
                                        <td class="text-center"><?php echo $i++ ?></td>
                                        <td class="">
                                            <p><b><?php echo $row['name'] ?></b></p>
                                        </td>
                                        <td class="text-center">
                                            <button class="btn btn-sm btn-primary
                                            edit_category" type="button" data-id="<?php echo $row['id']
                                            ?>" data-name="<?php echo $row['name'] ?>" >Edit</button>
                                            <button class="btn btn-sm btn-danger delete_category"
                                            type="button" data-id="<?php echo $row['id']
                                            ?>">Delete</button>
                                        </td>
                                    </tr>
                                <?php endwhile; ?>
                            </tbody>
                        </table>
                    </div>
                </div>
            </div>
        </div>
    </div>

```

```

        </div>
    </div>
    <!-- Table Panel -->
</div>
</div>
</div>
<style>
    td{
        vertical-align: middle !important;
    }
</style>
<script>
    $('#manage-category').submit(function(e){
        e.preventDefault()
        start_load()
        $.ajax({
            url:'ajax.php?action=save_category',
            data: new FormData($(this)[0]),
            cache: false,
            contentType: false,
            processData: false,
            method: 'POST',
            type: 'POST',
            success:function(resp){
                if(resp==1){
                    alert_toast("Data successfully added",'success')
                    setTimeout(function(){
                        location.reload()
                    },1500)
                }
                else if(resp==2){
                    alert_toast("Data successfully updated",'success')
                    setTimeout(function(){
                        location.reload()
                    },1500)
                }
            }
        })
    })
    $('#edit_category').click(function(){
        start_load()
        var cat = $('#manage-category')
        cat.get(0).reset()
        cat.find("[name='id']").val($(this).attr('data-id'))
        cat.find("[name='name']").val($(this).attr('data-name'))
        cat.find("[name='description']").val($(this).attr('data-
description'))
        end_load()
    })
    $('#delete_category').click(function(){
        _conf("Are you sure to delete this
category?","delete_category",[$(this).attr('data-id')])
    })
    function delete_category($id){
        start_load()
        $.ajax({
            url:'ajax.php?action=delete_category',
            method:'POST',
            data:{id:$id},
            success:function(resp){
                if(resp==1){
                    alert_toast("Data successfully deleted",'success')
                    setTimeout(function(){
                        location.reload()
                    },1500)
                }
            }
        })
    }
    $('#table').dataTable()
</script>
5. products.php
<?php include('db_connect.php');?>
<div class="container-fluid">
    <div class="col-lg-12">

```

```

<div class="row mb-4 mt-4">
    <div class="col-md-12">
        </div>
    </div>
    <div class="row">
        <!-- FORM Panel -->
        <!-- Table Panel -->
        <div class="col-md-12">
            <div class="card">
                <div class="card-header">
                    <b>List of Products</b>
                    <span class="float:right"><a class="btn btn-
primary btn-block btn-sm col-sm-2 float-right"
href="index.php?page=manage_product" id="new_product">
                        <i class="fa fa-plus"></i> New Entry
                    </a></span>
                </div>
                <div class="card-body"><table class="table table-
condensed table-bordered table-hover">
                    <thead>
                        <tr>
                            <th class="text-center">#</th>
                            <th class="">Img</th>
                            <th class="">Category</th>
                            <th class="">Product</th>
                            <th class="">Other Info</th>
                            <th class="text-center">Action</th>
                        </tr>
                    </thead>
                    <tbody>
                        <?php
                            $i = 1;
                            $cat = array();
                            $cat[] = "";
                            $qry = $conn->query("SELECT * FROM categories ");
                            while($row = $qry->fetch_assoc()){
                                $cat[$row['id']] = $row['name'];
                            }
                            $products = $conn->query("SELECT *
FROM products order by name asc ");
                            while($row=$products->fetch_assoc()){
                                $get = $conn->query("SELECT * FROM
bids where product_id = {$row['id']} order by bid_amount desc
limit 1 ");
                                $bid = $get->num_rows > 0 ? $get-
>fetch_array()['bid_amount'] : 0 ;
                                $tbid = $conn->query("SELECT distinct(user_id) FROM bids
where product_id = {$row['id']} ")>num_rows;
                                ?>
                                <tr data-id= '<?php echo $row['id'] ?>'>
                                    <td class="text-center"><?php echo $i++ ?></td>
                                    <td class="">
                                        <div class="row justify-content-center">
                                            
                                        </div>
                                    </td>
                                    <td>
                                        <p> <b><?php echo ucwords($cat[$row['category_id']])
?></b></p>
                                    </td>
                                    <td class="">
                                        <p>Name: <b><?php echo ucwords($row['name']) ?></b></p>
                                        <p><small>Description: <b><?php echo $row['description']
?></b></small></p>
                                    </td>
                                    <td>
                                        <p><small>Regular Price: <b><?php echo
number_format($row['regular_price'],2) ?></b></small></p>
                                        <p><small>Start Price: <b><?php echo
number_format($row['start_bid'],2) ?></b></small></p>
                                        <p><small>End Date/Time: <b><?php echo date("M
d,Y h:i A",strtotime($row['bid_end_datetime']))
?></b></small></p>
                                        <p><small>Highest Bid: <b class="highest_bid"><?php
echo number_format($bid,2) ?></b></small></p>

```

```
<p><small>Total Bids: <b class="total_bid"><?php echo  
$tbid ?> user/</b></small></p>  
</td>  
<td class="text-center">  
<button class="btn btn-sm btn-outline-  
primary edit_product" type="button" data-id="<?php echo  
$row['id'] ?>">Edit</button> <button class="btn btn-sm btn-  
outline-danger delete_product" type="button" data-id="<?php  
echo $row['id'] ?>">Delete</button>  
</td>  
</tr>  
<?php endwhile; ?>  
</tbody>  
</table>  
</div>  
</div>  
</div>  
<!-- Table Panel -->  
</div>  
</div>  
  
</div>  
<style>  
  
    td{  
        vertical-align: middle !important;  
    }  
    td p{  
        margin: unset  
    }  
    table td img{  
        max-width:100px;  
        max-height: 150px;  
    }  
    img{  
        max-width:100px;  
        max-height: 150px;  
    }  
</style>  
<script>  
    $(document).ready(function(){  
        $('table').dataTable()  
    })  
    $('.view_product').click(function(){  
        uni_modal("product  
Details","view_product.php?id="+$(this).attr('data-id'),'mid-large')  
    })  
    $('.edit_product').click(function(){  
        location.href  
="index.php?page=manage_product&id="+$(this).attr('data-id')  
    })  
    $('.delete_product').click(function(){  
        _conf("Are you sure to delete this  
product?", "delete_product",[$(this).attr('data-id')])  
    })  
    function delete_product($id){  
        start_load()  
        $.ajax({  
            url:'ajax.php?action=delete_product',  
            method:'POST',  
            data:{id:$id},  
            success:function(resp){  
                if(resp==1){  
                    alert_toast("Data successfully deleted",'success')  
                    setTimeout(function(){  
                        location.reload()  
                    },1500)  
                }  
            }  
        })  
    }  
</script>  
  
6. manage_product.php  
<?php include 'db_connect.php' ?>  
<?php
```

```

if(!isset($_GET['id'])){
    $qry = $conn->query("SELECT * FROM products where id="
    .$_GET['id']);
    foreach($qry->fetch_array() as $k => $val){
        $$k=$val;
    }
}
?>
<style>
.jqte_editor{
    min-height: 30vh !important
}
#drop {
min-height: 15vh;
max-height: 30vh;
overflow: auto;
width: calc(100%);
border: 5px solid #929292;
margin: 10px;
border-style: dashed;
padding: 10px;
display: flex;
align-items: center;
flex-wrap: wrap;
}
#uploads {
    min-height: 15vh;
width: calc(100%);
margin: 10px;
padding: 10px;
display: flex;
align-items: center;
flex-wrap: wrap;
}
#uploads .img-holder{
    position: relative;
margin: 1em;
cursor: pointer;
}
#uploads .img-holder:hover{
    background: #0095ff1f;
}
#uploads .img-holder .form-check{
    display: none;
}
#uploads .img-holder.checked .form-check{
    display: block;
}
#uploads .img-holder.checked{
    background: #0095ff1f;
}
#uploads .img-holder img {
    height: 39vh;
width: 22vw;
margin: .5em;
}
#uploads .img-holder span{
    position: absolute;
top: -.5em;
left: -.5em;
}
#dname{
    margin: auto
}
img.imgDropped {
height: 16vh;
width: 7vw;
margin: 1em;
}
.imgF {
border: 1px solid #0000ffa1;
border-style: dashed;
position: relative;
margin: 1em;
}

```

```

span.rem.badge.badge-primary {
    position: absolute;
    top: -.5em;
    left: -.5em;
    cursor: pointer;
}
label[for="chooseFile"]{
    color: #0000ff94;
    cursor: pointer;
}
label[for="chooseFile"]:hover{
    color: #0000ffba;
}
.opts {
    position: absolute;
    top: 0;
    right: 0;
    background: #00000094;
    width: calc(100%);
    height: calc(100%);
    justify-items: center;
    display: flex;
    opacity: 0;
    transition: all .5s ease;
}
.img-holder:hover .opts{
    opacity: 1;
}
input[type=checkbox]
{
    /* Double-sized Checkboxes */
    -ms-transform: scale(1.5); /* IE */
    -moz-transform: scale(1.5); /* FF */
    -webkit-transform: scale(1.5); /* Safari and Chrome */
    -o-transform: scale(1.5); /* Opera */
    transform: scale(1.5);
    padding: 10px;
}
button.btn.btn-sm.btn-rounded.btn-sm.btn-dark {
    margin: auto;
}
img#img_path-field{
    max-height: 15vh;
    max-width: 8vw;
}
</style>
<div class="container-fluid">
    <div class="col-lg-12">
        <div class="card">
            <div class="card-body">
                <form action="" id="manage-product">
                    <input type="hidden" name="id" value="<?php echo
isset($id) ? $id : ">
                    <h4><b><?php echo !isset($id) ? "New Product" :
"Manage Product" ?></b></h4>
                    <hr>
                    <div class="form-group row">
                        <div class="col-md-4">
                            <label for="" class="control-
label">Name</label>
                            <input type="text" class="form-control"
name="name" value="<?php echo isset($name) ? $name : ">
required>
                            </div>
                        </div>
                        <div class="form-group row">
                            <div class="col-md-4">
                                <label for="" class="control-
label">Category</label>
                                <select class="custom-select select2"
name="category_id">
                                    <option value=""></option>
                                    <?php
$qty = $conn->query("SELECT * FROM
categories order by name asc");

```

```

while($row=$qry->fetch_assoc()):
    ?>
    <option value="<?php echo $row['id'] ?>"
<?php echo isset($category_id) && $category_id == $row['id'] ?
'selected' : " ?><?php echo $row['name'] ?></option>
    <?php endwhile; ?>
    </select>
    </div>
    </div>
    <div class="form-group row">
        <div class="col-md-10">
            <label for="" class="control-label">Description</label>
            <textarea name="description" id="description"
class="form-control" cols="30" rows="5" required><?php echo
isset($description) ? html_entity_decode($description) : "
?></textarea>
            </div>
        </div>
        <div class="form-group row">
            <div class="col-md-4">
                <label for="" class="control-label">Regular Price</label>
                <input type="number" class="form-control text-
right" name="regular_price" value="<?php echo
isset($regular_price) ? $regular_price : 0 ?>">
            </div>
            <div class="col-md-4">
                <label for="" class="control-label">Starting Bidding
Amount</label>
                <input type="number" class="form-control text-right"
name="start_bid" value="<?php echo isset($start_bid) ?
$start_bid : 0 ?>">
            </div>
        </div>
        <div class="form-group row">
            <div class="col-md-4">
                <label for="" class="control-label">Bidding End
Date/Time</label>
                <input type="text" class="form-control
datetimepicker" name="bid_end_datetime" value="<?php echo
isset($bid_end_datetime) && strtotime($bid_end_datetime) > 0 ?
date("Y-m-d H:i",strtotime($bid_end_datetime)) : " ?>">
            </div>
        </div>
        <div class="row form-group">
            <div class="col-md-5">
                <label for="" class="control-label">Product Image</label>
                <input type="file" class="form-control"
name="img" onchange="displayImg2(this,$(this))">
            </div>
            <div class="col-md-5">
                
                </div>
            </div>
            <div class="row">
                <div class="col-md-12">
                    <button class="btn btn-sm btn-block btn-
primary col-sm-2"> Save</button>
                </div>
            </div>
        </form>
    </div>
</div>
</div>
<div class="imgF" style="display: none " id="img-clone">
    <span class="rem badge badge-primary"
onclick="rem_func($(this))"><i class="fa fa-times"></i></span>
</div>
</script>
$('#payment_status').on('change keypress keyup',function(){
    if($(this).prop('checked') == true){
        $('#amount').closest('.form-group').hide()
    }else{
        $('#amount').closest('.form-group').show()
    }

```

```

    }
  })
  $('#jqte').jqte();
  $('#manage-product').submit(function(e){
    e.preventDefault()
    start_load()
    $('#msg').html("")
    $.ajax({
      url:'ajax.php?action=save_product',
      data: new FormData($(this)[0]),
      cache: false,
      contentType: false,
      processData: false,
      method: 'POST',
      type: 'POST',
      success:function(resp){
        if(resp==1){
          alert_toast("Data successfully saved",'success')
          setTimeout(function(){
            location.href = "index.php?page=products"
          },1500)
        }
      }
    })
  })
  if (window.FileReader) {
    var drop;
    addproductHandler(window, 'load', function() {
      var status = document.getElementById('status');
      drop = document.getElementById('drop');
      var dname = document.getElementById('dname');
      var list = document.getElementById('list');
      function cancel(e) {
        if (e.preventDefault) {
          e.preventDefault();
        }
        return false;
      }
      // Tells the browser that we *can* drop on this target
      addproductHandler(drop, 'dragover', cancel);
      addproductHandler(drop, 'dragenter', cancel);
      addproductHandler(drop, 'drop', function(e) {
        e = e || window.product; // get window.product if e argument
        missing (in IE)
        if (e.preventDefault) {
          e.preventDefault();
        }
        // stops the browser from redirecting off to the image.
        $('#dname').remove();
        var dt = e.dataTransfer;
        var files = dt.files;
        for (var i = 0; i < files.length; i++) {
          var file = files[i];
          var reader = new FileReader();
          //attach product handlers here...
          reader.readAsDataURL(file);
          addproductHandler(reader, 'loadend', function(e, file) {
            var bin = this.result;
            var imgF = document.getElementById('img-clone');
            imgF = imgF.cloneNode(true);
            imgF.removeAttribute('id');
            imgF.removeAttribute('style');
            var img = document.createElement("img");
            var fileinput = document.createElement("input");
            var fileinputName = document.createElement("input");
            fileinput.setAttribute('type','hidden')
            fileinputName.setAttribute('type','hidden')
            fileinputName.setAttribute('name','img[]')
            fileinputName.setAttribute('name','imgName[]')
            fileinput.value = bin
            fileinputName.value = file.name
            img.classList.add("imgDropped")
            img.file = file;
            img.src = bin;

```

```

            imgF.appendChild(fileinput);
            imgF.appendChild(fileinputName);
            imgF.appendChild(img);
            drop.appendChild(imgF)
          }.bindTopproductHandler(file));
        }
        return false;
      });
      Function.prototype.bindTopproductHandler = function
      bindTopproductHandler() {
        var handler = this;
        var boundParameters =
        Array.prototype.slice.call(arguments);
        return function(e) {
          e = e || window.product; // get window.product if e argument
          missing (in IE)
          boundParameters.unshift(e);
          handler.apply(this, boundParameters);
        }
      };
    });
  } else {
    document.getElementById('status').innerHTML = 'Your browser
    does not support the HTML5 FileReader.';
  }
  function addproductHandler(obj, evt, handler) {
    if (obj.addproductListener) {
      // W3C method
      obj.addproductListener(evt, handler, false);
    } else if (obj.attachproduct) {
      // IE method.
      obj.attachproduct('on' + evt, handler);
    } else {
      // Old school method.
      obj['on' + evt] = handler;
    }
  }
  function displayIMG(input){
    if (input.files) {
      if ($('#dname').length > 0)
        $('#dname').remove();
      Object.keys(input.files).map(function(k){
        var reader = new FileReader();
        reader.onload = function (e) {
          // $('#cimg').attr('src', e.target.result);
          var bin = e.target.result;
          var fname = input.files[k].name;
          var imgF = document.getElementById('img-clone');
          imgF = imgF.cloneNode(true);
          imgF.removeAttribute('id')
          imgF.removeAttribute('style')
          var img = document.createElement("img");
          var fileinput =
          document.createElement("input");
          var fileinputName =
          document.createElement("input");
          fileinput.setAttribute('type','hidden')
          fileinputName.setAttribute('type','hidden')
          fileinputName.setAttribute('name','img[]')
          fileinputName.setAttribute('name','imgName[]')
          fileinput.value = bin
          fileinputName.value = fname
          img.classList.add("imgDropped")
          img.src = bin;
          imgF.appendChild(fileinput);
          imgF.appendChild(fileinputName);
          imgF.appendChild(img);
          drop.appendChild(imgF)
        }
        reader.readAsDataURL(input.files[k]);
      })
    }
  }
  rem_func()
  }
  }
  function displayImg2(input, _this) {

```



```

if (input.files && input.files[0]) {
    var reader = new FileReader();
    reader.onload = function (e) {
        $('#img_path-field').attr('src', e.target.result);
    }

    reader.readAsDataURL(input.files[0]);
}
}
function rem_func(_this){
    _this.closest('.imgF').remove()
    if($('#drop .imgF').length <= 0){
        $('#drop').append('<span id="dname" class="text-center">Drop Files Here</label></span>')
    }
}
</script>

7. bids.php
<?php include('db_connect.php');?>
<div class="container-fluid">
    <div class="col-lg-12">
        <div class="row mb-4 mt-4">
            <div class="col-md-12">
                </div>
            </div>
            <div class="row">
                <!-- FORM Panel -->
                <!-- Table Panel -->
                <div class="col-md-12">
                    <div class="card">
                        <div class="card-header">
                            <b>List of Bids</b>
                        </div>
                        <div class="card-body">
                            <table class="table table-condensed table-bordered table-hover">
                                <thead>
                                    <tr>
                                        <th class="text-center">#</th>
                                        <th class="">Name</th>
                                        <th class="">Bidder</th>
                                        <th class="">Amount</th>
                                        <th class="">Status</th>
                                        <th class=""></th>
                                    </tr>
                                </thead>
                                <tbody>
                                    <?php
                                    $i = 1;
                                    $cat = array();
                                    $cat[] = "";
                                    $qry = $conn->query("SELECT * FROM categories ");
                                    while($row = $qry->fetch_assoc()){
                                        $cat[$row['id']] = $row['name'];
                                    }
                                    $books = $conn->query("SELECT b.*,
u.name as uname,p.name,p.bid_end_datetime bdt FROM bids b
inner join users u on u.id = b.user_id inner join products p on p.id
= b.product_id ");
                                    while($row=$books->fetch_assoc()):
                                        $get = $conn->query("SELECT * FROM bids where product_id
= {$row['product_id']} order by bid_amount desc limit 1 ");
                                        $uid = $get->num_rows > 0 ? $get->fetch_array()['user_id'] : 0 ;
                                        ?>
                                        <tr>
                                            <td class="text-center"><?php echo $i++ ?></td>
                                            <td class="">
                                                <p> <b><?php echo
ucwords($row['name']) ?></b></p>
                                            </td>
                                            <td class="">
                                                <p> <b><?php echo
ucwords($row['uname']) ?></b></p>
                                            </td>

```

```

                                            <td class="text-right">
                                                <p> <b><?php echo
number_format($row['bid_amount'],2) ?></b></p>
                                            </td>
                                            <td class="text-center">
                                                <?php if($row['status'] == 1): ?>
                                                <?php if(strtotime(date('Y-m-d H:i')) < strtotime($row['bdt'])): ?>
                                                <span class="badge badge-secondary">Bidding Stage</span>
                                                <?php else: ?>
                                                <?php if($uid == $row['user_id']): ?>
                                                <span class="badge badge-
success">Wins in Bidding</span>
                                                <?php else: ?>
                                                <span class="badge badge-
secondary">Loose in Bidding</span>
                                                <?php endif; ?>
                                                <?php endif; ?>
                                                <?php elseif($row['status'] == 2): ?>
                                                <span class="badge badge-
primary">Confirmed</span>
                                                <?php else: ?>
                                                <span class="badge badge-
danger">Canceled</span>
                                                <?php endif; ?>
                                            </td>
                                            <td>
                                                <button class="btn btn-primary btn-sm
view_user" type="button" data-id ='<?php echo $row['user_id']
?>'>View Buyer Details</button>
                                            </td>
                                        </tr>
                                    <?php endwhile; ?>
                                </tbody>
                            </table>
                        </div>
                    </div>
                </div>
                <!-- Table Panel -->
            </div>
        </div>
    </div>
</div>
<style>
    td{
        vertical-align: middle !important;
    }
    td p{
        margin: unset
    }
    img{
        max-width:100px;
        max-height: 150px;
    }
</style>
<script>
    $(document).ready(function(){
        $('#table').dataTable()
    })
    $('view_user').click(function(){
        uni_modal("<i class='fa fa-card-id'></i> Buyer
Details","view_udet.php?id="+$(this).attr('data-id'))
    })
    $('#new_book').click(function(){
        uni_modal("New Book","manage_booking.php","mid-large")
    })
    $('#edit_book').click(function(){
        uni_modal("Manage Book
Details","manage_booking.php?id="+$(this).attr('data-id'),"mid-
large")
    })
    $('#delete_book').click(function(){
        _conf("Are you sure to delete this
book?", "delete_book",[$(this).attr('data-id')])
    })
    function delete_book($id){
        start_load()
    }

```

```

$.ajax({
    url:'ajax.php?action=delete_book',
    method:'POST',
    data:{id:$id},
    success:function(resp){
        if(resp==1){
            alert_toast("Data successfully deleted",'success')
            setTimeout(function(){
                location.reload()
            },1500)
        }
    }
})
}
}
</script>
8. users.php
<?php
?>
<div class="container-fluid">
    <div class="row">
        <div class="col-lg-12">
            <button class="btn btn-primary float-right btn-sm"
id="new_user"><i class="fa fa-plus"></i> New user</button>
        </div>
    </div>
    <br>
    <div class="row">
        <div class="card col-lg-12">
            <div class="card-body">
                <table class="table-striped table-bordered col-md-12">
                    <thead>
                        <tr>
                            <th class="text-center">#</th>
                            <th class="text-center">Name</th>
                            <th class="text-center">Username</th>
                            <th class="text-center">Type</th>
                            <th class="text-center">Action</th>
                        </tr>
                    </thead>
                    <tbody>
                        <?php
                            include 'db_connect.php';
                            $type =
array("", "Admin", "Bidder", "Alumnus/Alumna");
                            $users = $conn->query("SELECT * FROM users
order by name asc");
                            $i = 1;
                            while($row= $users->fetch_assoc()){
                                ?>
                                <tr>
                                    <td class="text-center">
                                        <?php echo $i++ ?>
                                    </td>
                                    <td>
                                        <?php echo ucwords($row['name']) ?>
                                    </td>
                                    <td>
                                        <?php echo $row['username'] ?>
                                    </td>
                                    <td>
                                        <?php echo $type[$row['type']] ?>
                                    </td>
                                    <td>
                                        <center>
                                            <div class="btn-group">
                                                <button type="button" class="btn btn-
primary">Action</button>
                                                <button type="button" class="btn btn-
primary dropdown-toggle dropdown-toggle-split" data-
toggle="dropdown" aria-haspopup="true" aria-expanded="false">
                                                    <span class="sr-only">Toggle
Dropdown</span>
                                                </button>
                                                <div class="dropdown-menu">

```

```

                                <a class="dropdown-item edit_user"
href="javascript:void(0)" data-id = '<?php echo $row['id']
?>'>Edit</a>
                                <div class="dropdown-divider"></div>
                                <a class="dropdown-item delete_user"
href="javascript:void(0)" data-id = '<?php echo $row['id']
?>'>Delete</a>
                                </div>
                            </div>
                        </center>
                    </td>
                </tr>
            <?php endwhile; ?>
        </tbody>
    </table>
    </div>
</div>
</div>
<script>
    $('table').dataTable();
    $('#new_user').click(function(){
        uni_modal('New User','manage_user.php')
    })
    $('#edit_user').click(function(){
        uni_modal('Edit
User','manage_user.php?id='+$(this).attr('data-id'))
    })
    $('#delete_user').click(function(){
        _conf("Are you sure to delete this
user?", "delete_user", [$(this).attr('data-id')])
    })
    function delete_user($id){
        start_load()
        $.ajax({
            url:'ajax.php?action=delete_user',
            method:'POST',
            data:{id:$id},
            success:function(resp){
                if(resp==1){
                    alert_toast("Data successfully deleted",'success')
                    setTimeout(function(){
                        location.reload()
                    },1500)
                }
            }
        })
    }
}
</script>
9. manage_user.php
<?php
include('db_connect.php');
session_start();
if(isset($_GET['id'])){
    $user = $conn->query("SELECT * FROM users where id
=".$_GET['id']);
    foreach($user->fetch_array() as $k => $v){
        $meta[$k] = $v;
    }
}
?>
<div class="container-fluid">
    <div id="msg"></div>
    <form action="" id="manage-user">
        <input type="hidden" name="id" value="<?php echo
isset($meta['id']) ? $meta['id'] : " ?>">
        <div class="form-group">
            <label for="name">Name</label>
            <input type="text" name="name" id="name" class="form-
control" value="<?php echo isset($meta['name']) ?
$meta['name'] : " ?>" required>
        </div>
        <div class="form-group">
            <label for="username">Username</label>

```



```

<input type="text" name="username" id="username"
class="form-control" value="<?php echo
isset($meta['username']) ? $meta['username']: " ?>"
required autocomplete="off">
</div>
<div class="form-group">
<label for="password">Password</label>
<input type="password" name="password" id="password"
class="form-control" value="" autocomplete="off">
<?php if(isset($meta['id'])): ?>
<small><i>Leave this blank if you dont want to change
the password.</i></small>
<?php endif; ?>
</div>
<?php if(isset($meta['type']) && $meta['type'] == 3): ?>
<input type="hidden" name="type" value="3">
<?php else: ?>
<?php if(!isset($_GET['mtype'])): ?>
<div class="form-group">
<label for="type">User Type</label>
<select name="type" id="type" class="custom-select">
<option value="2" <?php echo isset($meta['type']) &&
$meta['type'] == 2 ? 'selected': " ?>>Staff</option>
<option value="1" <?php echo isset($meta['type']) &&
$meta['type'] == 1 ? 'selected': " ?>>Admin</option>
</select>
</div>
<?php endif; ?>
<?php endif; ?>
</form>
</div>
</script>
$( '#manage-user' ).submit(function(e){
e.preventDefault();
start_load()
$.ajax({
url:'ajax.php?action=save_user',
method:'POST',
data:$(this).serialize(),
success:function(resp){
if(resp ==1){
alert_toast("Data successfully saved",'success')
setTimeout(function(){
location.reload()
},1500)
}else{
$('#msg').html('<div class="alert alert-
danger">Username already exist</div>')
end_load()
}
}
})
})
</script>

```

10. site_settings.php

```

<?php
include 'db_connect.php';
$qry = $conn->query("SELECT * from system_settings limit 1");
if($qry->num_rows > 0){
foreach($qry->fetch_array() as $k => $val){
$meta[$k] = $val;
}
}
?>
<div class="container-fluid">
<div class="card col-lg-12">
<div class="card-body">
<form action="" id="manage-settings">
<div class="form-group">
<label for="name" class="control-label">System
Name</label>
<input type="text" class="form-control" id="name"
name="name" value="<?php echo isset($meta['name']) ?
$meta['name']: " ?>" required>
</div>

```

```

<div class="form-group">
<label for="email" class="control-
label">Email</label>
<input type="email" class="form-control" id="email"
name="email" value="<?php echo isset($meta['email']) ?
$meta['email']: " ?>" required>
</div>
<div class="form-group">
<label for="contact" class="control-label">Contact</label>
<input type="text" class="form-control" id="contact"
name="contact" value="<?php echo isset($meta['contact']) ?
$meta['contact']: " ?>" required>
</div>
<div class="form-group">
<label for="about" class="control-label">About
Content</label>
<textarea name="about" class="text-jqte"><?php
echo isset($meta['about_content']) ? $meta['about_content']: "
?></textarea>
</div>
<div class="form-group">
<label for="" class="control-label">Image</label>
<input type="file" class="form-control" name="img"
onchange="displayImg(this,$(this))">
</div>
<div class="form-group">
" alt="" id="cimg">
</div>
<center>
<button class="btn btn-info btn-primary btn-block
col-md-2">Save</button>
</center>
</form>
</div>
</div>
<style>
img#cimg{
max-height: 10vh;
max-width: 6vw;
}
</style>
<script>
function displayImg(input_this) {
if (input.files && input.files[0]) {
var reader = new FileReader();
reader.onload = function (e) {
$('#cimg').attr('src', e.target.result);
}
reader.readAsDataURL(input.files[0]);
}
}
$( '.text-jqte' ).jqte();
$( '#manage-settings' ).submit(function(e){
e.preventDefault()
start_load()
$.ajax({
url:'ajax.php?action=save_settings',
data: new FormData($(this)[0]),
cache: false,
contentType: false,
processData: false,
method: 'POST',
type: 'POST',
error:err=>{
console.log(err)
},
success:function(resp){
if(resp == 1){
alert_toast("Data successfully saved.','success')
setTimeout(function(){
location.reload()
},1000)
}
}
}
}

```

```

    })
  }
</script>
<style>
</style>
</div>
Bidder section:
11. home.php
<?php
include 'admin/db_connect.php';
?>
<style>
  #cat-list li{
    cursor: pointer;
  }
  #cat-list li:hover {
    color: white;
    background: #007bff;
  }
  .prod-item p{
    margin: unset;
  }
  .bid-tag {
    position: absolute;
    right: .5em;
  }
</style>
<?php
$cid = isset($_GET['category_id']) ? $_GET['category_id'] : 0;
?>
<div class="contain-fluid">
  <div class="col-lg-12">
    <div class="row">
      <div class="col-md-3">
        <div class="card">
          <div class="card-header">Categories</div>
          <div class="card-body">
            <ul class="list-group" id="cat-list">
              <li class="list-group-item" data-id="all" data-
href="index.php?page=home&category_id=all">All</li>
              <?php
                $cat = $conn->query("SELECT * FROM
categories order by name asc");
                while($row=$cat->fetch_assoc()){
                  $cat_arr[$row['id']] = $row['name'];
                }
              <li class="list-group-item" data-id='<?php echo $row['id'] ?>'
data-href="index.php?page=home&category_id=<?php echo
$row['id'] ?>"><?php echo ucwords($row['name']) ?></li>
              <?php endwhile; ?>
            </ul>
          </div>
        </div>
      </div>
      <div class="col-md-9">
        <div class="card">
          <div class="card-body">
            <div class="row">
              <?php
                $where = "";
                if((int)$cid > 0){
                  $where = " and category_id = $cid ";
                }
                $cat = $conn->query("SELECT * FROM
products where unix_timestamp(bid_end_datetime) >=
".strtotime(date("Y-m-d H:i"))." $where order by name asc");
                if($cat->num_rows <= 0){
                  echo "<center><h4><i>No Available
Product.</i></h4></center>";
                }
                while($row=$cat->fetch_assoc()){
                  ?>
                <div class="col-sm-4">
                  <div class="card">
                    <div class="float-right align-top bid-tag">

```

```

                      <span class="badge badge-pill badge-
primary text-white"><i class="fa fa-tag"></i> <?php echo
number_format($row['start_bid']) ?></span>
                    </div>
                    
                    <div class="float-right align-top d-flex">
                      <span class="badge badge-pill badge-
warning text-white"><i class="fa fa-hourglass-half"></i> <?php
echo date("M d,Y h:i A",strtotime($row['bid_end_datetime']))
?></span>
                    </div>
                    <div class="card-body prod-item">
                      <p><?php echo $row['name'] ?></p>
                      <p><small><?php echo
$cat_arr[$row['category_id']] ?></small></p>
                      <p class="truncate"><?php echo $row['description'] ?></p>
                      <button class="btn btn-primary btn-sm
view_prod" type="button" data-id="<?php echo $row['id'] ?>">
View</button>
                    </div>
                  </div>
                </div>
              <?php endwhile; ?>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
</div>
<script>
  $('#cat-list li').click(function(){
    location.href = $(this).attr('data-href')
  })
  $('#cat-list li').each(function(){
    var id = '<?php echo $cid > 0 ? $cid : 'all' ?>';
    if(id == $(this).attr('data-id')){
      $(this).addClass('active')
    }
  })
  $('.view_prod').click(function(){
    uni_modal_right('View
Product','view_prod.php?id='+$(this).attr('data-id'))
  })
</script>
12. login.php
<?php session_start() ?>
<div class="container-fluid">
  <form action="" id="login_frm">
    <div class="form-group">
      <label for="" class="control-label">Username</label>
      <input type="text" name="username" required=""
class="form-control">
    </div>
    <div class="form-group">
      <label for="" class="control-label">Password</label>
      <input type="password" name="password" required=""
class="form-control">
      <small><a href="javascript:void(0)"
id="new_account">Create New Account</a></small>
    </div>
    <button class="button btn btn-primary btn-
sm">Login</button>
    <button class="button btn btn-secondary btn-sm"
type="button" data-dismiss="modal">Cancel</button>
  </form>
</div>
<style>
  #uni_modal .modal-footer{
    display:none;
  }
</style>
</script>

```

```

$('#new_account').click(function(){
    uni_modal("Create an
Account","signup.php?redirect=index.php?page=checkout")
})
$('#login_frm').submit(function(e){
    e.preventDefault()
    start_load()
    if($(this).find('.alert-danger').length > 0 )
        $(this).find('.alert-danger').remove();
    $.ajax({
        url:'admin/ajax.php?action=login2',
        method:'POST',
        data:$(this).serialize(),
        error:err=>{
            console.log(err)
        }
    },
    success:function(resp){
        if(resp == 1){
            location.href ='<?php echo isset($_GET['redirect']) ?
$_GET['redirect'] : 'index.php?page=home' ?>';
        }else{
            $('#login_frm').prepend('<div class="alert alert-
danger">Email or password is incorrect.</div>')
            end_load()
        }
    }
})
})
</script>
13. signup.php
<?php session_start() ?>
<div class="container-fluid">
    <form action="" id="signup_frm">
        <div class="form-group">
            <label for="" class="control-label">Name</label>
            <input type="text" name="name" required="" class="form-
control">
        </div>
        <div class="form-group">
            <label for="" class="control-label">Contact</label>
            <input type="text" name="contact" required=""
class="form-control">
        </div>
        <div class="form-group">
            <label for="" class="control-label">Address</label>
            <textarea cols="30" rows="3" name="address"
required="" class="form-control"></textarea>
        </div>
        <div class="form-group">
            <label for="" class="control-label">Email</label>
            <input type="email" name="email" required=""
class="form-control">
        </div>
        <div class="form-group">
            <label for="" class="control-label">Username</label>
            <input type="text" name="username" required=""
class="form-control">
        </div>
        <div class="form-group">
            <label for="" class="control-label">Password</label>
            <input type="password" name="password" required=""
class="form-control">
        </div>
        <button class="button btn btn-primary btn-
sm">Create</button>
        <button class="button btn btn-secondary btn-sm"
type="button" data-dismiss="modal">Cancel</button>

    </form>
</div>
<style>
    #uni_modal .modal-footer{
        display:none;
    }

```

```

</style>
<script>
    $('#signup_frm').submit(function(e){
        e.preventDefault()
        start_load()
        if($(this).find('.alert-danger').length > 0 )
            $(this).find('.alert-danger').remove();
        $.ajax({
            url:'admin/ajax.php?action=signup',
            method:'POST',
            data:$(this).serialize(),
            error:err=>{
                console.log(err)
            }
        },
        success:function(resp){
            if(resp == 1){
                location.reload();
            }else{
                $('#signup_frm').prepend('<div class="alert alert-
danger">Email already exist.</div>')
                end_load()
            }
        }
    })
</script>
14. view_prod.php
<?php include 'admin/db_connect.php' ?>
<?php
session_start();
if(isset($_GET['id'])){
    $qry = $conn->query("SELECT * FROM products where id=
".$_GET['id']);
    foreach($qry->fetch_array() as $k => $val){
        $sk=$val;
    }
    $cat_qry = $conn->query("SELECT * FROM categories where id
= $category_id");
    $category = $cat_qry->num_rows > 0 ? $cat_qry-
>fetch_array()['name'] : " ";
}
??
<style type="text/css">
    #bid_frm{
        display: none
    }
</style>
<div class="container-fluid">
    
    <p>Name: <large><b><?php echo $name
?></b></large></p>
    <p>Category: <b><?php echo $category ?></b></p>
    <p>Starting Amount: <b><?php echo
number_format($start_bid,2) ?></b></p>
    <p>Until: <b><?php echo date("m d,Y h:i
A",strtotime($bid_end_datetime)) ?></b></p>
    <p>Highest Bid: <b id="hbid"><?php echo
number_format($start_bid,2) ?></b></p>
    <p>Description:</p>
    <p class=""><small><i><?php echo $description
?></i></small></p>
    <div class="col-md-12">
        <button class="btn btn-primary btn-block btn-sm"
type="button" id="bid">Bid</button>
    </div>
    <div id="bid_frm">
        <div class="col-md-12">
            <form id="manage-bid">
                <input type="hidden" name="product_id" value="<?php
echo $id ?>">
                <div class="form-group">

```

```

        <label for="" class="control-label">Bid
Amount</label>
        <input type="number" class="form-control text-right"
name="bid_amount" >
        </div>
        <div class="row justify-content-between">
            <button class="btn col-sm-5 btn-primary btn-block
btn-sm mr-2">Submit</button>
            <button class="btn col-sm-5 btn-secondary mt-0 btn-
block btn-sm" type="button" id="cancel_bid">Cancel</button>
        </div>
    </form>
</div>
</div>
</div>
<script>
    $('#imagesCarousel img,#banner img').click(function(){
        viewer_modal($(this).attr('src'))
    })
    $('#participate').click(function(){
        _conf("Are you sure to commit that you will participate to
this event?", "participate", [<?php echo $id ?>], 'mid-large')
    })
    var _updateBid = setInterval(function(){
        $.ajax({
            url:'admin/ajax.php?action=get_latest_bid',
            method:'POST',
            data:{product_id:'<?php echo $id ?>'},
            success:function(resp){
                if(resp && resp > 0){
                    $('#hbid').text(parseFloat(resp).toLocaleString('en-
US',{style:'decimal',maximumFractionDigits:2,minimumFractionDi
gits:2}))
                }
            }
        })
    },1000)
    $('#manage-bid').submit(function(e){
        e.preventDefault()
        start_load()
        var latest = $('#hbid').text()
        latest = latest.replace(/,/g,"")
        if(parseFloat(latest) > $('[name="bid_amount"]').val()){
            alert_toast("Bid amount must be greater than the
current Highest Bid.", 'danger')
        }
        end_load()
        return false;
    })
    $.ajax({
        url:'admin/ajax.php?action=save_bid',
        method:'POST',
        data:$(this).serialize(),
        success:function(resp){
            if(resp==1){
                alert_toast("Bid successfully submitted", 'success')
            }
        }
    })
</script>

```