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CSE3002 - Internet and Web Programming
Theory Slot-C1
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ONLINE AUCTION SYSTEM FOR CLOTHES

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1. ABSTRACT

Online auctions are among the most influential e-business applications. Despite efforts to set up marketplaces, online trading is still in a relatively early stage. Very few companies have started their projects to improve their buying and selling channels. Resources and Methods: The most intriguing concept of Internet marketplaces is the creation of online auctions. The online auction program carries an online auction of various products on the website.

Several different types of auctions exist and certain rules for each auction. There are variations for an auction, including minimum price limit, maximum price limit, time limitations, etc. Depending upon the auction method bidder can participate remotely or in person. Remote auction includes participating through telephone, mail, and internet. Shopping online has widely grown; the online auction system is increasing rapidly. Online auction is becoming more and more popular in electronic commerce and hence should system must increase its quality and security. The online auction system is a model where we participate in a bid for products and services. This auction is made easier by using online software which can regulate the processes involved. There are several different auction methods or types and one of the most popular methods is the English auction system.

The Online clothes auctioning system is a flexible solution for supporting lot-based online auctions. Our report explains the construction of an auction website. Our system has been designed to be highly scalable and capable of supporting large numbers of bidders in an active auction. The online auction system lets you easily browse lots and place bids using a secure server. The objective is to develop a user-friendly auctioning site where any kind of product can be auctioned and provide value-added services to the bidders and the sellers. The products will be authenticated and the site provides a safe environment for online users.

2 .INTRODUCTION

2.1 General Introduction

An online public sale project is a system that holds online auctions for diverse products on an internet site and serves dealers and bidders thus. The device is designed to allow customers to set up their merchandise for auctions and to register and bid for diverse merchandise available for bidding. The system also consists of merchandise looked after via classes and using fees. Users' remarks are likewise furnished to Admin.

There are versions for a public sale which can also include minimum price restrict, maximum charge restrict and time limitations and so on. Depending upon the public sale approach bidder can participate remotely or in character. Shopping online has broadly grown; the online public sale system is growing unexpectedly.

Online public sale is turning more and more famous in virtual trade and ultimately it needs a system that must boom its terrific and safety. The online public sale system is a version in which we take part in a bid for merchandise and provider. The requirement for online is more appropriately targeted through the customer. Online Bidding has turned out to be more huge unfold in all types of industrial usage. It, not handiest includes the product or items to be bought, it additionally has offerings which may be provided.

Bidders may be maintained in a single database according to their desire, and they may be monitored. User information can be maintained in a personal manner for the validity and integrity of contractual documentation. Neat reporting reduces paperwork, postage, and photocopying and time beneficial. Multiple bidders can be communicated with terrific ease. This gadget permits a couple of bids by way of unmarried customers. Online bidding is based upon the lowest or the highest rate that's initiated however not the satisfactory price for the product.

Auction is a bid, a technique of selling; Purchasing and imparting services arise. The online auction device has many different names which include e-auction and digital auction. The patron can more appropriately specify the need for online auctions or online bidding. Online bidding has turned out to be extra extensive in all styles of business use.

Due to their low cost, this unfolds brought on the machine to thrive. Preferred bidders can manipulate and monitor the same database. The user’s information can be maintained confidentially for the validity and integrity of the contract documentation.

Developing a user-friendly auction website in which any product can be bid and imparting price-introduced offerings to bidders and sellers. The global online auctions Marketplaces permit consumers and sellers to pass geographical limits and purchase merchandise from everywhere over the Internet. The online public sale market gives clients lower fees, more product selectivity and more efficiency as compared to traditional online markets.

Seller's preferences and the product they produce make more purchaser certainty. It includes three components: dealer score ratings and supplier shilling operations. Certifications, description of product characteristics, product utilization and e-book value. It seeks to make certain buyers' product accuracy.

3 .ARCHITECTURE DIAGRAM

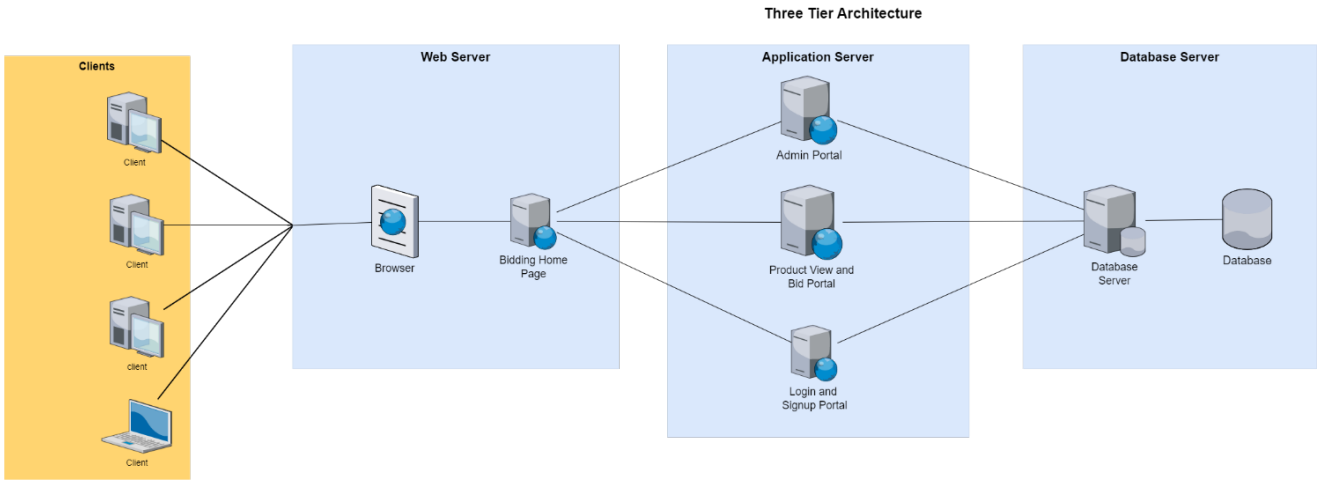

Fig .1

Three Tier Architecture

The architecture design for the Drippy City is the three tier Architecture.

Three-tier architecture is a well-established software application architecture that organizes applications into three logical and physical computing tiers: the presentation tier(Web server in Web Development), or user interface; the application tier(Application Server in Web Development), where data is processed; and the data tier(Data Server in Web Development), where the data associated with the application is stored and managed.

1) **The web server** is the presentation tier and provides the user interface. In web server the user will browse the web page and the home page of the Bidding System with Interactive UI/UX Design will be displayed.

2) **The application server** corresponds to the middle tier, housing the business logic used to process user inputs. In this server the user will login to the bidding system in order to bid.This tier contains the Admin page where if a user want can give his data about the thing that he is going to auction. Product view and bidding portal is also included in this tier in which the user can bid for the clothes within the given bidding time.

3) **The database server** is the data or backend tier of a web application. It runs on database management software MySQL. In this tier the data from the user like the clothes information bidding price,user details like email,password will be added to the database as well as data requested from the user through application layer will be fetched for the user.

4. LITERATURE SURVEY

4.1. Review of Literature

- **Trevathan et al. [6]** designed an online auction server for facilitating auction research (referred to as the Research Auction Server). The paper describes the design of online auction software by presenting a basic online model and addresses the main auctioning processes, web navigation, preliminary security, database schema, and transaction and timing issues. The authors also show how their proposed model can interact with software bidding agents. Their auction design is developed based on object-oriented techniques and is an open-source tool. However, the authors do not present any UML diagrams for describing their auction system.

- **In [7], Narra** presented a study for designing an online auction system that is scalable, robust, and flexible to meet the growing demands for the security of applicable laws and transaction efficiency. The authors proposed some employment of a three-tiered architecture system for conducting online auctions to ensure reliability and flexibility. This online auction system was created to make a smooth and efficient transaction between buyers and sellers

- A scheme for the online auction system based on the campus network was presented by **Ren in [5]** using the UML technique. Therefore, two steps were adopted to design the scheme of the proposed online auction system based on the use of activity diagrams, case diagrams, sequence diagrams, class diagrams and deployment diagrams. The designed scheme provided certain reference values for realising the digital campus and constructing the campus's electronic commerce.

- **In [10], Md. Imranul Sazzad and Mutasim Billah** designed a system that consists of two parts: The customer interface and the administration interface. The customer panel allows the customer to upload a product to sell and bid, with a control panel through which the administrator can control the entire bidding system. The admin products can be approved by categories and registered customers.

- A Secure Online Auction System has been analyzed, designed and implemented by **Majadi et al., in [8].** In their work, the authors created their online auction server to carry out auction-related research, to test the countermeasures of fraud in a controlled

environment. The designed and implemented online auction system was named the auction. The authors claimed that there is a limitation of the useful literature for the auction system design and implementation. The authors have been employed the Unified Modelling Language (UML) to analyse and design of the proposed uAuction system to show the architectural model, subsystems, activity workflows, use cases, class diagrams, system sequence diagrams and user interfaces.

- **Wurman et al. [3]** provide a software design for online English auctions that supports both software and human agents. Their proposed auction server named the Michigan Internet Auction Bot provides for the flexible specification of auctions considering different parameters so that agent researchers can explore the design space of auction mechanisms. However, the authors do not show how they developed their auction system. Furthermore, the Auction Bot has been decommissioned since the early 2000s.

- **Rumpe et al. [1]** describe an architecture for developing a web-based, real-time online auction system. The paper also discusses the functional and technical requirements of developing an auction system combining standard software and self-developed components. Although the authors use UML components to a large extent for implementing their auction system, their UML diagrams are incomplete and do not strictly follow the UML standards.

- **Sheldon et al. [4]** designed a web-based auction system using UML and component-based programming. They use UML in a limited capacity in an attempt to model various aspects of the auction system. Moreover, intelligent agents are used for helping bidders participate in the auctions without always being present to view the status of the auction. The authors describe a case study pointing to the best practices in designing and building a web-based auction system. However, the UML diagrams are unclear and are of limited use for helping others to understand how to implement their own auction system.

- **Kumar and Feldman [2]** present a software architecture and describe the various processes that comprise the auction application. They present an auction system which implements a collection of auction types. The key features of the underlying objects, processes, and interaction models are described along with how an auction relates to some commonly used trading models such as brokerages, two-party

negotiations, and competitive bid-based procurement. Moreover, they describe issues such as delay, security, and collaboration. However, the paper does not use UML for analysing and designing the proposed auction system.

- **In [9], the authors Su, Y.W.S.Huang, C.Hammer, J.Huang, Y.Li, H.Wang, L.Liu, Y.Pluempitiwiriyawej, C.Lee, M.Lam. H** proposed an Internet-based negotiation server for e-commerce applications. Although this work does not explicitly address auction mechanisms (rather, the focus is on bargaining) and the use of software agent technologies, it is interesting for our approach for at least the following reasons: i) the system is conceptualized as a replicable service that can be multiply instantiated by complementing standard Web server software; ii) the system incorporates methods of event-based rule processing and constraint satisfaction for checking negotiation proposals and implementation of negotiation strategies

4.2. Problem Definition

- The development of this new system contains the following activities, which try to develop the web-application entire process keeping in the view of database integration approach:
- This system will provide secure registration and profile management of the users.
- Administrators would authorize the product to auction and set auction dates & minimum auction amount and buyout price for that product.
- Prior to each bid, the users will be authenticated and authorized with the password for confirmation.
- Users can select their interested fields for bidding and they will be contacted in case they have won an auction for a particular item/product.
- Category-wise list of the entire products on the site for easy access.

An auction house wishes to have merchandise to auction/ so in the proposed system, this is executed using the product registration module. The module is open to those who are registered as admins or staff and want to authenticate before they check in any product. It controls the closing date by at least adding 1 day to the submitting date thereby using limiting the bidding procedure to move on in clearly. Another critical

module inside the proposed protection is the "Bidding module ". Here one could see the details of any precise product and also the bidding history. The user can bid on that object by way of getting into any quantity greater than or equal to the incremental bid amount. Here, also we check whether or not the person has his or her credential tested in any other case he or she could be directed to the login, and registration page. The closing but the least module is the "Administration module". In this module, the administrator can set duration, price, and add products, and classes and this is to keep away from the rampant advent of classes. This may be important whilst a number of the info of the product want to be edited for one reason or another. Also closing the bid, and declaring the winner. There is any other module which runs extra or much less like the history process. The function of the module is to shut the bid of those products whose final date is much less than the cutting-edge date. The manner is automated through an algorithm and hidden from the net users.

5. OVERVIEW OF THE WORK

5.1 Objectives of the Project

The objective is to develop a user-pleasant auctioning website where any type of product can be auctioned and offer value-delivered offerings to the bidders and the sellers. The products can be authenticated and the website online gives a secure surrounding for online users:

- Secure registration of all customers together with a personal profile Administrators could authorize the product to auction and set public sale dates, Minimum auction amount and Buyout price for that product.
- Category-wise listing of the entire web page for smooth get admission.
- Communication method for users to interact with the customer support team to recognize approximately the product's cost and originality.
- Secure bidding mechanism, with double bidding prevention and bid confirmation every time a bid exceeds a set amount like 10,000 (security mechanism for costly products).
- To reduce the physical auction costs and to improve the auction's standard, security and transparency.

5.2 Software Requirements

- Operating System: Any OS- Windows/Mac/Linux
- Code Components: HTML, CSS, JavaScript, jQuery, PHP.
- Database: MySQL.
- Tool: VS Code or any compatible tool with the code components.
- Server: Apache/PHP.

5.3 Hardware Requirements

A Computer with,

- Processor: Minimum 2.0GHz.
- Ram: 2 GB or higher.
- Hard Disk: 25 GB or more.
- Input device: Standard Keyboard and Mouse.
- Output device: VGA and High-Resolution Monitor.

6 .Database Design

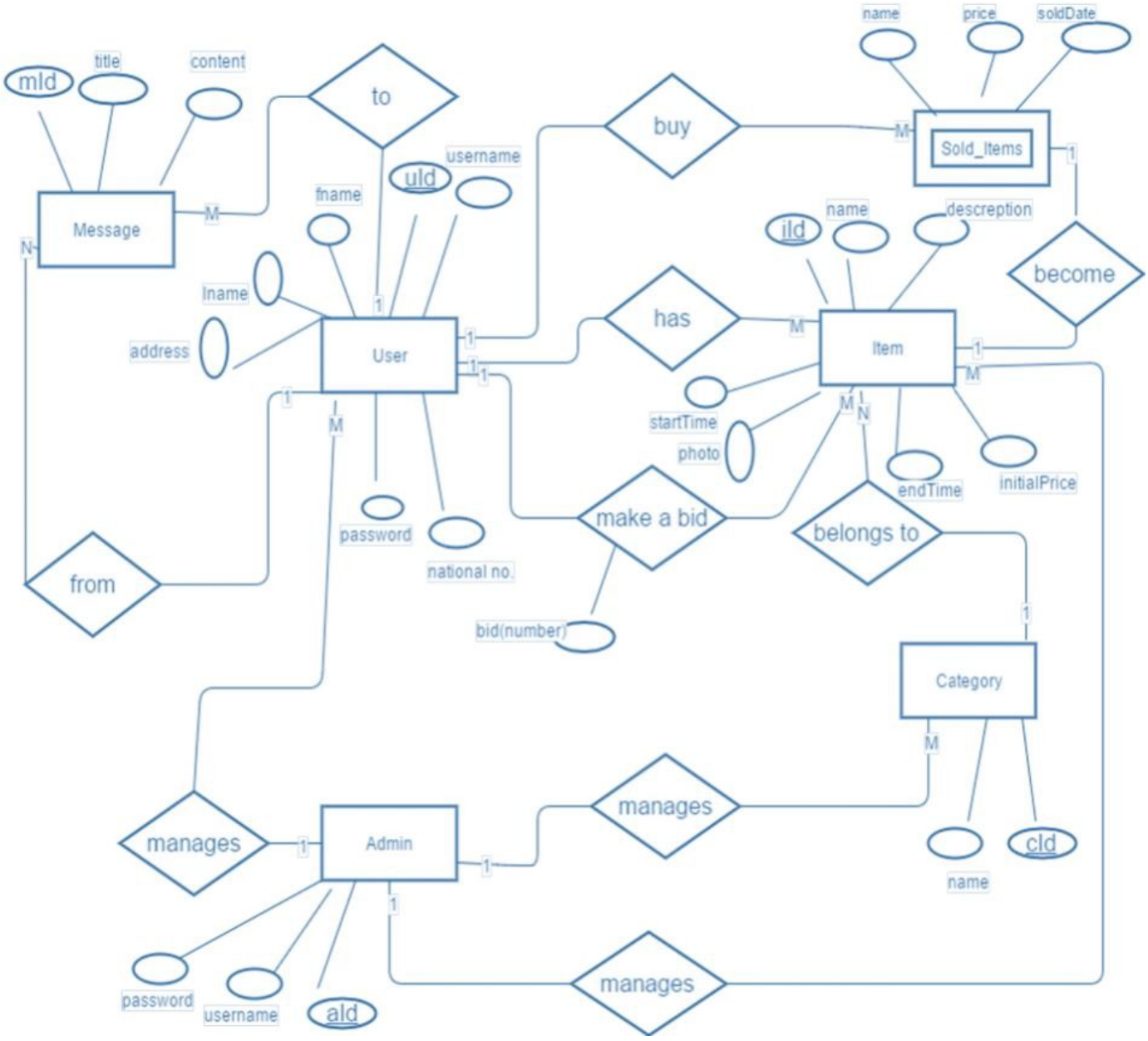

Figure 2: ER Diagram

7. IMPLEMENTATION

This section indicates the artefacts of the proposed work further to the subsequent implementation of system evaluation and design. System analysis and configuration results of the proposed system are presented. PHP programming language and HTML are used in step with their attributes to match this purpose. To start using the proposed system, the user needs to sign up as a bidder or seller, the proposed system allows a consumer (bidder or supplier) to display with the aid of a registered user (bidder or supplier) at the Online auction system welcome internet web page Confirmed via the web page. An unregistered user ought to fill out a registration form to apply for registration. The bidding interface is represented.

8. Modular Description

8.1 LOGIN/REGISTRATION MODULE:

Those who wish to take part in Bidding or sell products at the site have to register at the site as a customer. Only authenticated users can take part in selling or in bidding. In this module customers can register to the system by entering registration details. After the registration they can login to the system by entering a unique login id and password.

8.2 CUSTOMER MODULE:

In the customer module the customer can view his own bidding details, Purchase report, auction winning report, etc.

8.3 PRODUCT LIST MODULE:

This collects information like product name, product detail, product image, Start bid, Sale price, Bidding start date and end date.

8.4. CATEGORY MODULE:

Before uploading a product , customers should select category details. In the website the product displays under the category list.

8.5. SEARCH MODULE:

In this module customers can search for particular products.

8.6. BIDDING MODULE:

In the bidding module, customers can bid for products. Customers can select any item and they can bid for the product.

8.7 PURCHASE MODULE:

This module is for winning bids where customers can pay for winning bids. After the payment, the seller needs to deliver the product to the customer.

8.8. CHAT MODULE:

If the customer has any queries regarding the product they can directly contact sellers. 24x7 online chat features available. If the seller is offline then the message stores under seller message box.

8.9. REPORT MODULE:

This module is for the administrator to check sales reports, product reports, auction reports, payment reports, etc.

8.10. DASHBOARD MODULE:

This dashboard module is for administrators and employees. Admin has full authority of the website and employees have limited Authority.

8.11. SETTINGS MODULE:

Here administrators can add employees, categories, website settings, etc.

Source Code

- **Index.php (Home Page)**

```
<!DOCTYPE html> <html lang="en">

<?php
session_start(); include('admin/db_connect.php'); ob_start();

$query = $conn->query("SELECT * FROM system_settings limit 1")->fetch_array(); foreach ($query as $key
=> $value) {

if(!is_numeric($key)) $_SESSION['system'][$key] = $value;

}
ob_end_flush(); include('header.php');

?>

<style> #main-field{

margin-top: 5rem!important; }

</style>
<body id="page-top">

<!-- Navigation-->
<div class="toast" id="alert_toast" role="alert" aria-live="assertive" aria-atomic="true"> <div class="toast-body
text-white">
</div>

</div>
<nav class="navbar navbar-expand-lg navbar-light fixed-top py-3" id="mainNav"
```

```
style="background-color:purple;">

<a class="navbar-brand js-scroll-trigger" href="./"><img src="logo1.png" alt="Drippy City"width=50px
height=50px;> <?php echo $_SESSION['system']['name'] ?></a>

<button class="navbar-toggler navbar-toggler-right" type="button" data- toggle="collapse" data-
target="#navbarResponsive" aria-controls="navbarResponsive" aria- expanded="false" aria-label="Toggle
navigation"><span class="navbar-toggler- icon"></span></button>

<div class="collapse navbar-collapse" id="navbarResponsive"> <ul class="navbar-nav ml-auto my-2 my-lg-0">

<li class="nav-item"><a class="nav-link js-scroll-trigger" href="./?page=home">Home</a></li>

<li class="nav-item"><a class="nav-link js-scroll-trigger" href="index.php?page=about">About</a></li>

<li class="nav-item"><a class="nav-link js-scroll-trigger" href="./admin">Admin</a></li>

<?php if(isset($_SESSION['login_id'])): ?>

<li class="nav-item"><a class="nav-link js-scroll-trigger" href="admin/ajax.php?action=logout2"><?php echo
"Welcome ".$_SESSION['login_name'] ?> <i class="fa fa-power-off"></i></a></li>

<?php else: ?>
<li class="nav-item"><a class="nav-link js-scroll-trigger" href="javascript:void(0)"

id="login_now">Login</a></li> <?php endif; ?>

</ul> </div>

</nav>
<main id="main-field">

<?php
$page = isset($_GET['page']) ? $_GET['page'] : 'home'; include $page.'.php';
?>

</main>
<div class="modal fade" id="confirm_modal" role='dialog'>

<div class="modal-dialog modal-md" role="document"> <div class="modal-content">

<div class="modal-header">

<h5 class="modal-title">Confirmation</h5> </div>
<div class="modal-body">

<div id="delete_content"></div> </div>
<div class="modal-footer">

<button type="button" class="btn btn-primary" id='confirm' onclick="">Continue</button>

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button> </div>
</div>
```

```
</div>
</div>
<div class="modal fade" id="uni_modal" role='dialog'>

<div class="modal-dialog modal-md" role="document"> <div class="modal-content">

<div class="modal-header"> <h5 class="modal-title"></h5>

</div>
<div class="modal-body"> </div>
<div class="modal-footer">

<button type="button" class="btn btn-primary" id='submit' onclick="$('#uni_modal
form').submit()">Save</button>

<button type="button" class="btn btn-secondary" data-dismiss="modal">Cancel</button> </div>
</div>

</div>
</div>
<div class="modal fade" id="uni_modal_right" role='dialog'>

<div class="modal-dialog modal-full-height modal-md" role="document"> <div class="modal-content">

<div class="modal-header">
<h5 class="modal-title"></h5>
<button type="button" class="close" data-dismiss="modal" aria-label="Close">

<span class="fa fa-arrow-right"></span> </button>

</div>
<div class="modal-body"> </div>
</div>

</div>
</div>
<div class="modal fade" id="viewer_modal" role='dialog'>

<div class="modal-dialog modal-md" role="document"> <div class="modal-content">

<button type="button" class="btn-close" data-dismiss="modal"><span class="fa fa- times"></span></button>

<img src="" alt=""> </div>

</div>
</div>
<div id="preloader"></div>

<footer class=" py-5"> <div class="container">

<div class="row justify-content-center"> <div class="col-lg-8 text-center">

<h2 class="mt-0 text-white">Contact us</h2>

<hr class="divider my-4" /> </div>
```

```
</div>
<div class="row">

<div class="col-lg-4 ml-auto text-center mb-5 mb-lg-0">
<i class="fas fa-phone fa-3x mb-3 text-muted"></i>
<a class="d-block" href="#"><?php echo $_SESSION['system']['contact'] ?></a>

</div>
<div class="col-lg-4 mr-auto text-center">

<i class="fas fa-envelope fa-3x mb-3 text-muted"></i>

<a class="d-block" href="mailto:<?php echo $_SESSION['system']['email'] ?>"><?php echo
$_SESSION['system']['email'] ?></a>

</div> </div>

</div>
<br>
<div class="container"><div class="small text-center text-muted">Copyright © 2022 -

<?php echo $_SESSION['system']['name'] ?></div></div> </footer>

<?php include('footer.php') ?> </body>
<script type="text/javascript">

$('#login').click(function(){ uni_modal("Login",'login.php')

}) $('.datetimepicker').datetimepicker({

format:'Y-m-d H:i', })

$('#find-car').submit(function(e){
e.preventDefault()
location.href = 'index.php?page=search&'+$(this).serialize()

})
</script>
<?php $conn->close() ?>

</html>
```

- **SignUp.php (Sign Up and Validation page)**

```
<?php session_start() ?>
<div class="container-fluid">
        <form action="" id="signup-frm" name="signup-frm" method="POST">
                <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="number" 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" onclick="return
ValidateEmail()">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>
function ValidateEmail()
{const form = document.getElementById("signup-frm");
var mailformat = /^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/;
if(form.email.value.match(mailformat))
{
alert("Valid email address!");
form.email.focus();
return true;
}
else
{
alert("You have entered an invalid email address!");
form.email.focus();
return false;
}
}
</script>

<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)
                $('#signup-frm button[type="submit"]').removeAttr('disabled').html('Create');

                },
                success:function(resp){
                        if(resp == 1){
                                location.reload();
                        }else{
                                $('#signup-frm').prepend('<div class="alert alert-danger">Email already exist.</div>')
                                end_load()}
                }})})</script>
```

- **Bidding.php (Bidding page)**

```
<?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){
        $$k=$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">
        <img src="admin/assets/uploads/<?php echo $img_fname ?>" class="d-flex w-100" alt="">
        <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,minimumFractionDigits: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 submited",'success')
                                        end_load()
                                    }else if(resp==2){
                                        alert_toast("The current highest bid is yours.",'danger')
                                        end_load()
                                    }
                                }
                            })
                        })
                        $('#bid').click(function(){
                            if('<?php echo isset($_SESSION['login_id']) ? 1 : '' ?>' != 1){
```

```
                $('.modal').modal('hide')
                 uni_modal("LOGIN",'login.php')
                 return false;
        }
        $(this).hide()
        $('#bid-frm').show()
    })
    $('#cancel_bid').click(function(){
        $('#bid').show()
        $('#bid-frm').hide()
    })</script>
```

- **Products.php (Add products page)**

```
<?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 $i++ ?></td>
                                                        <td class="">
                                                                <div class="row
justify-content-center">
                                                                        <img
src="<?php echo 'assets/uploads/'.$row['img_fname'] ?>" alt="">
                                                                </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/s</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>
```

- **Bids.php (Bid History page)**

```
<?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="">Product</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>
```

```
<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>
```

9. OUTPUT AND PERFORMANCE ANALYSIS

9.1 Execution Snapshots

- **Home Page with categories of clothes, products in auction.**

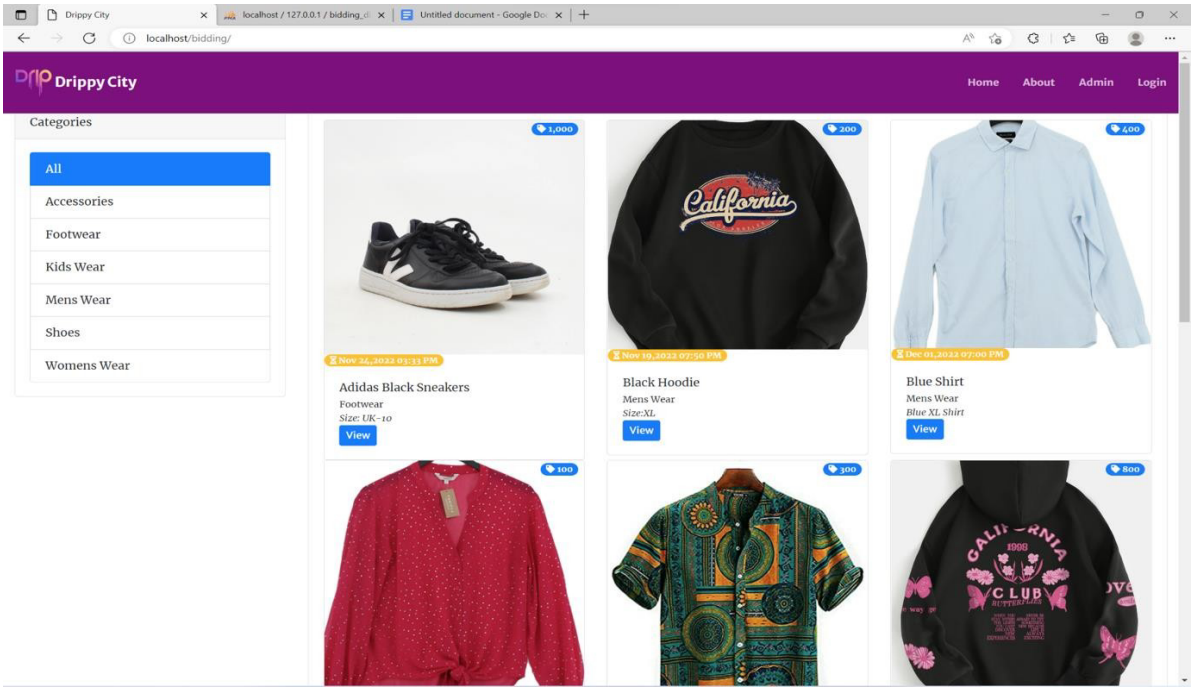

Fig.3

- **About Us Page**

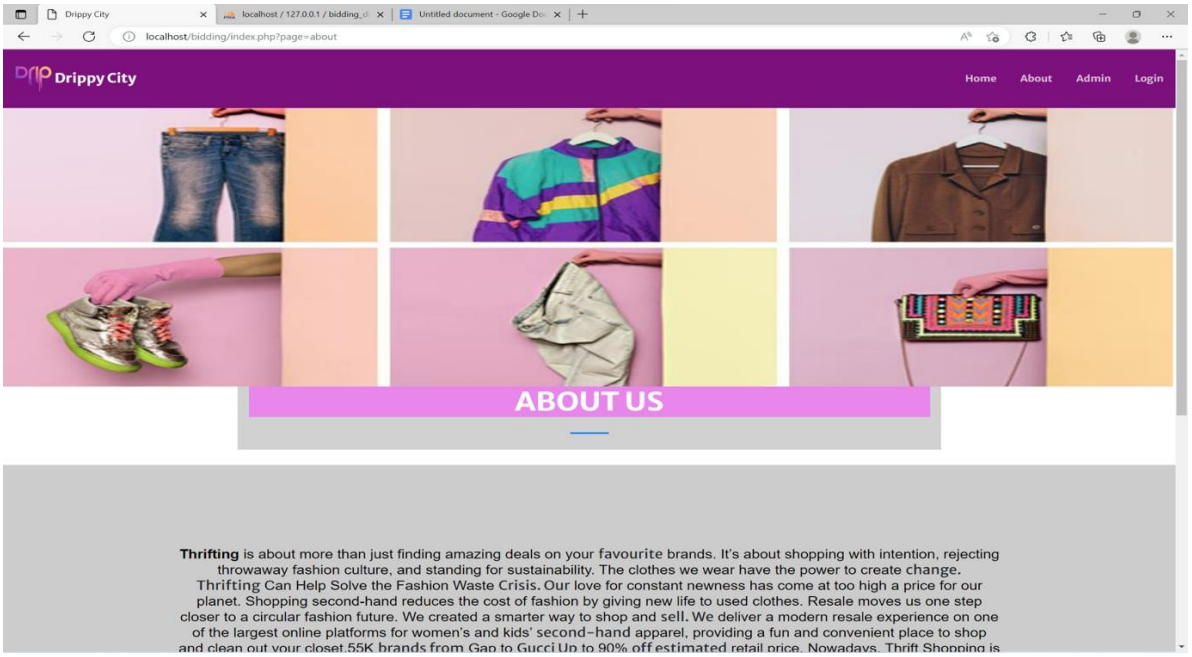

Fig.4

- **Login Page**

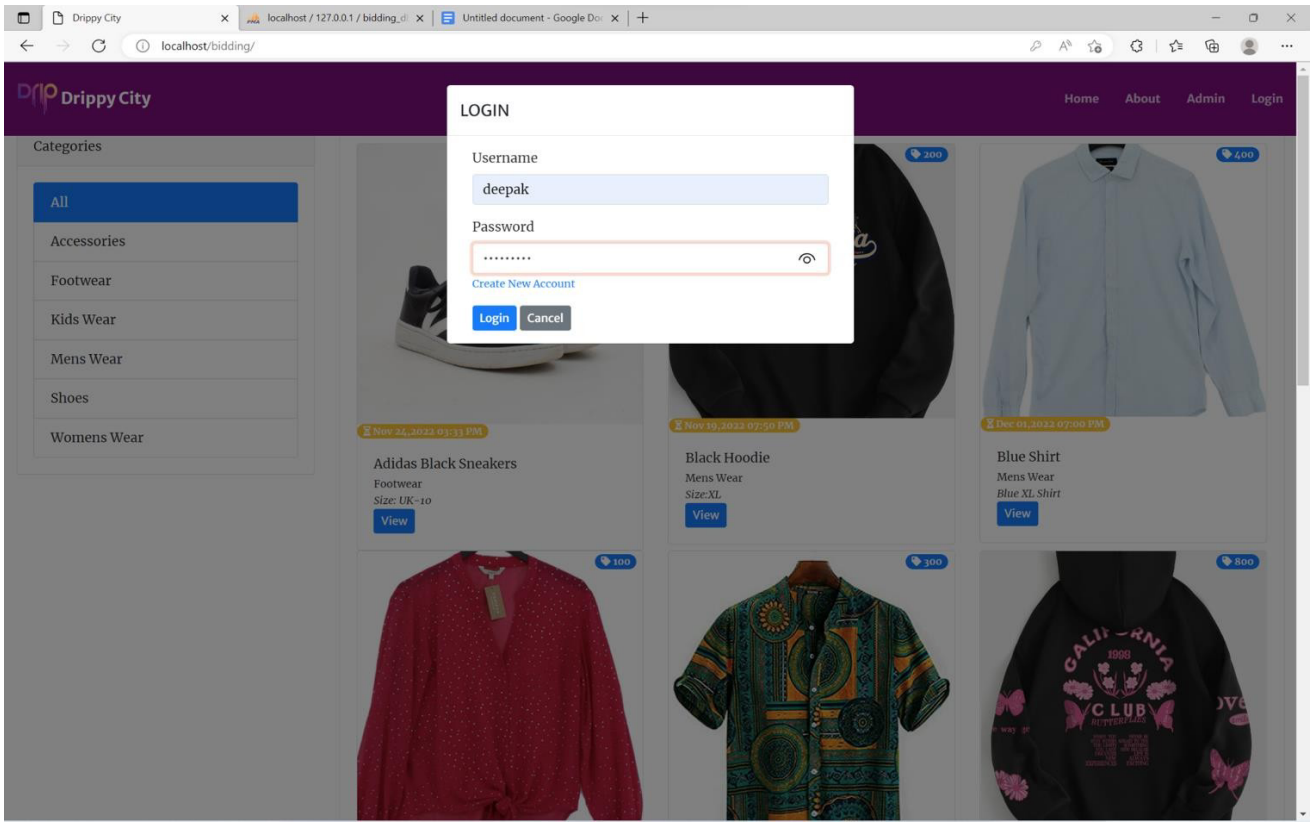

Fig.5

- **Sign Up Page with Email Validation**

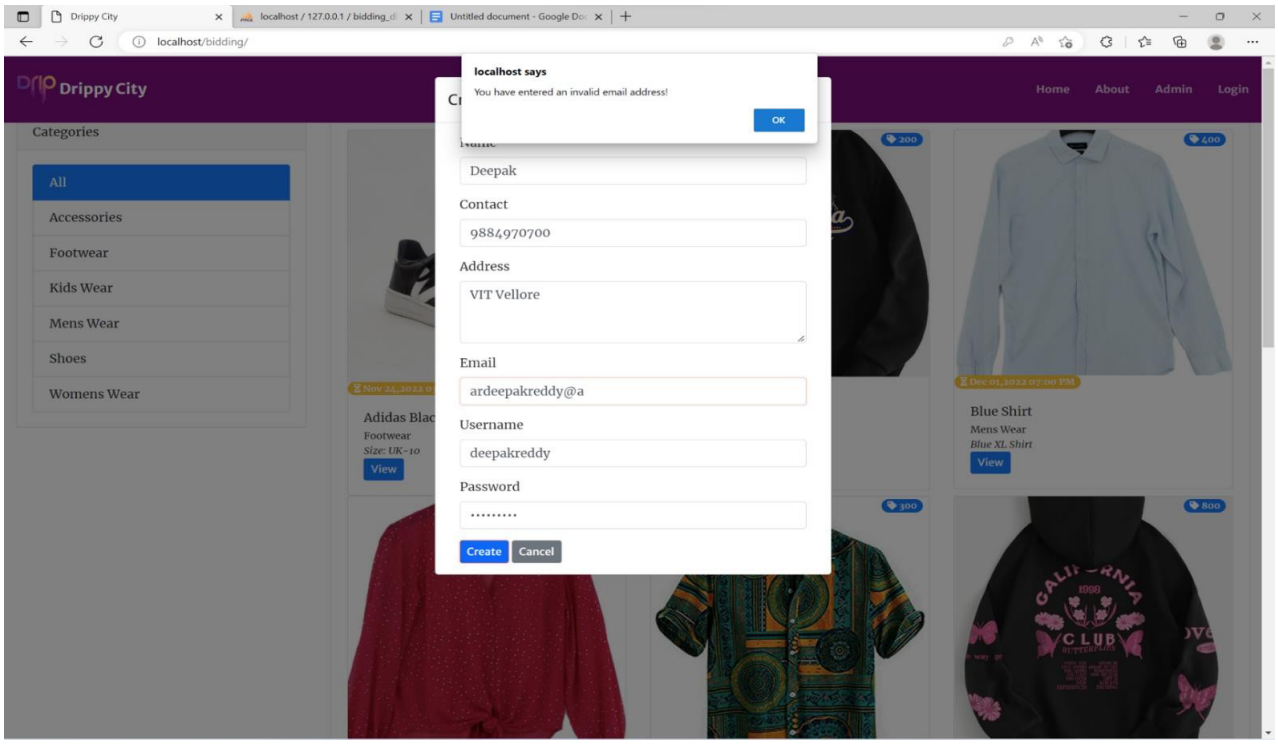

Fig.6

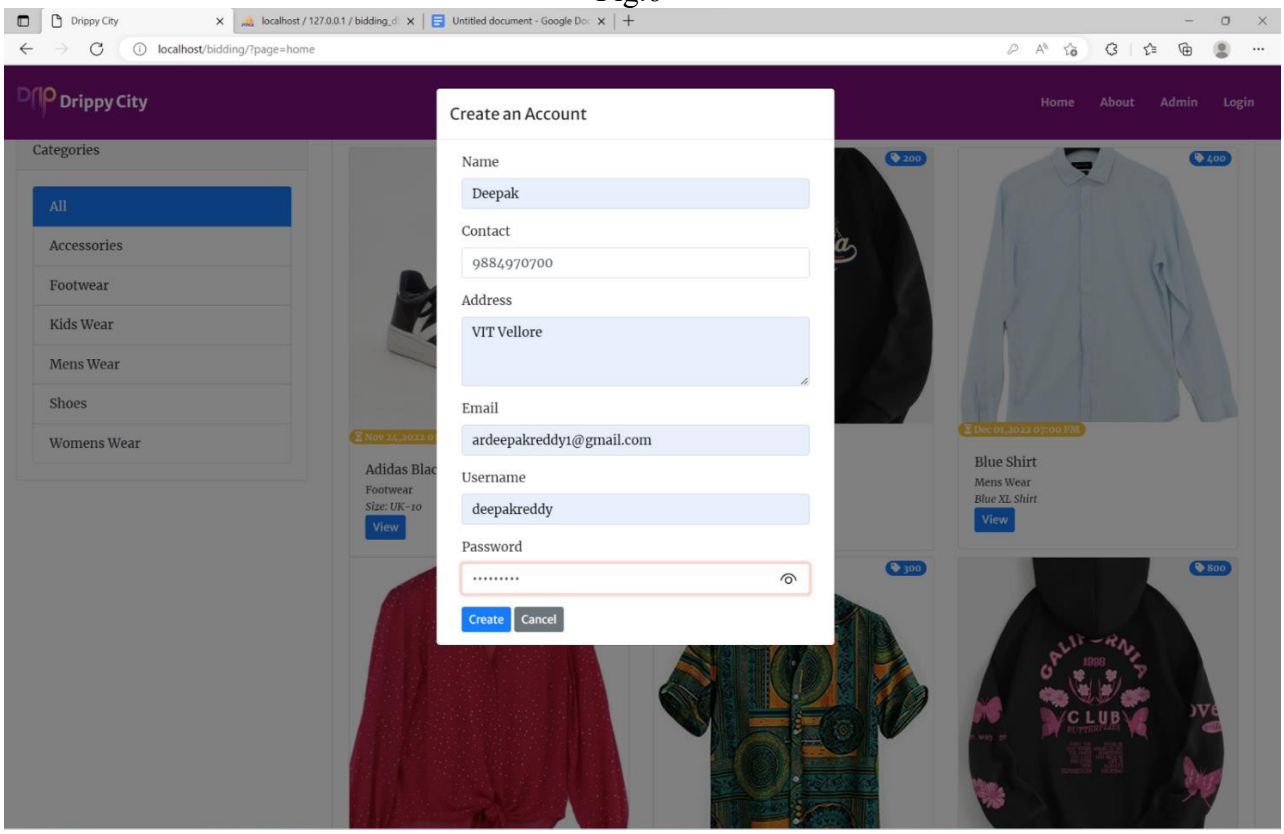

Fig.7

User Side

- **User Dashboard**

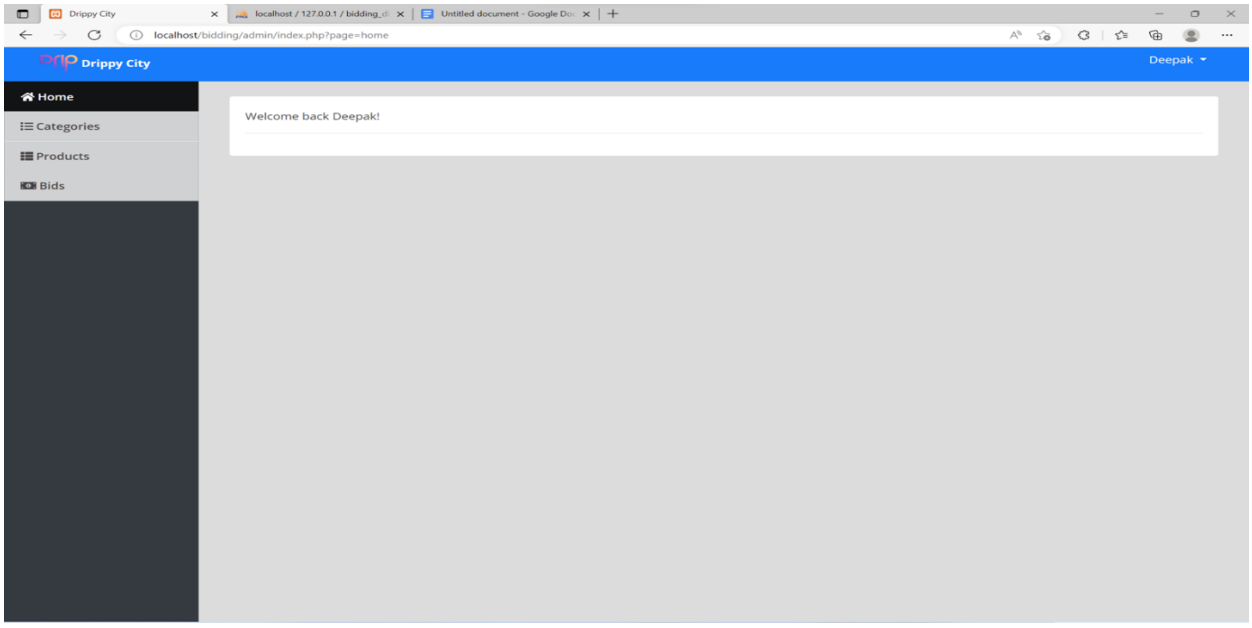

Fig.8

- **Bid History**

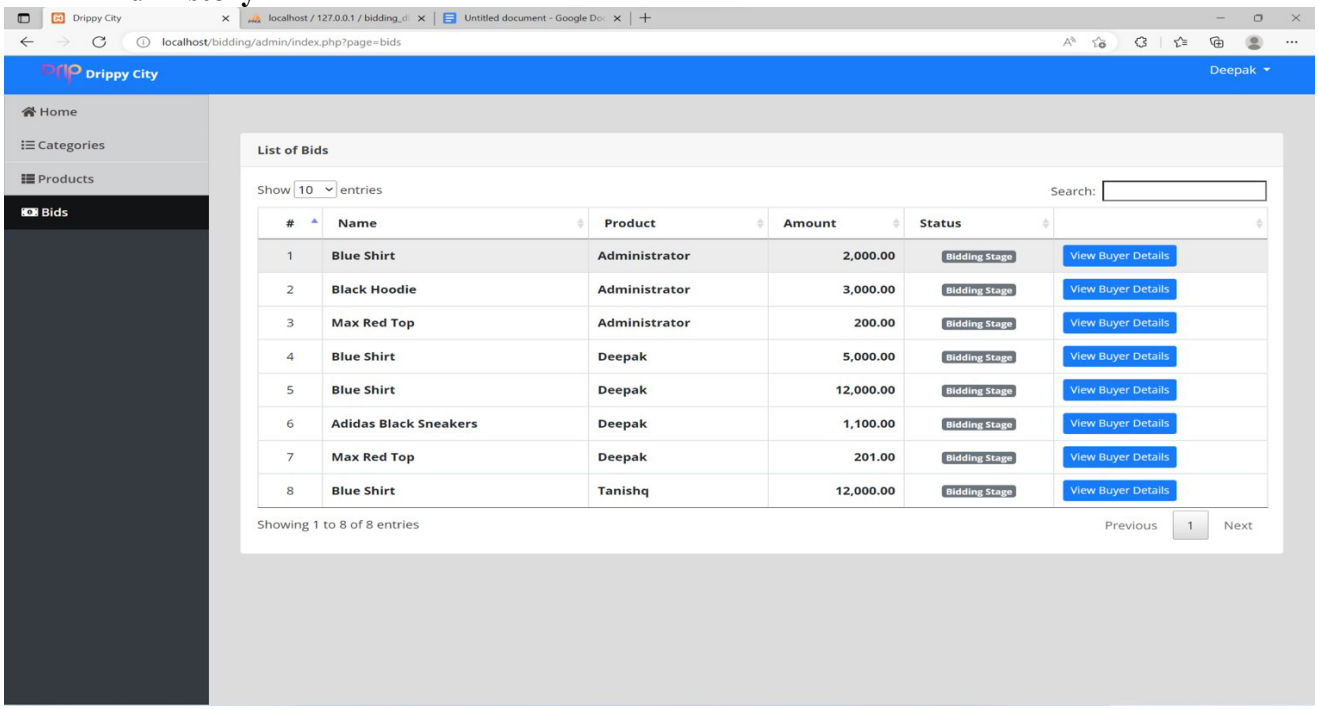

Fig.9

- **Bid Rejection if the highest bidder, again tries to bid.**

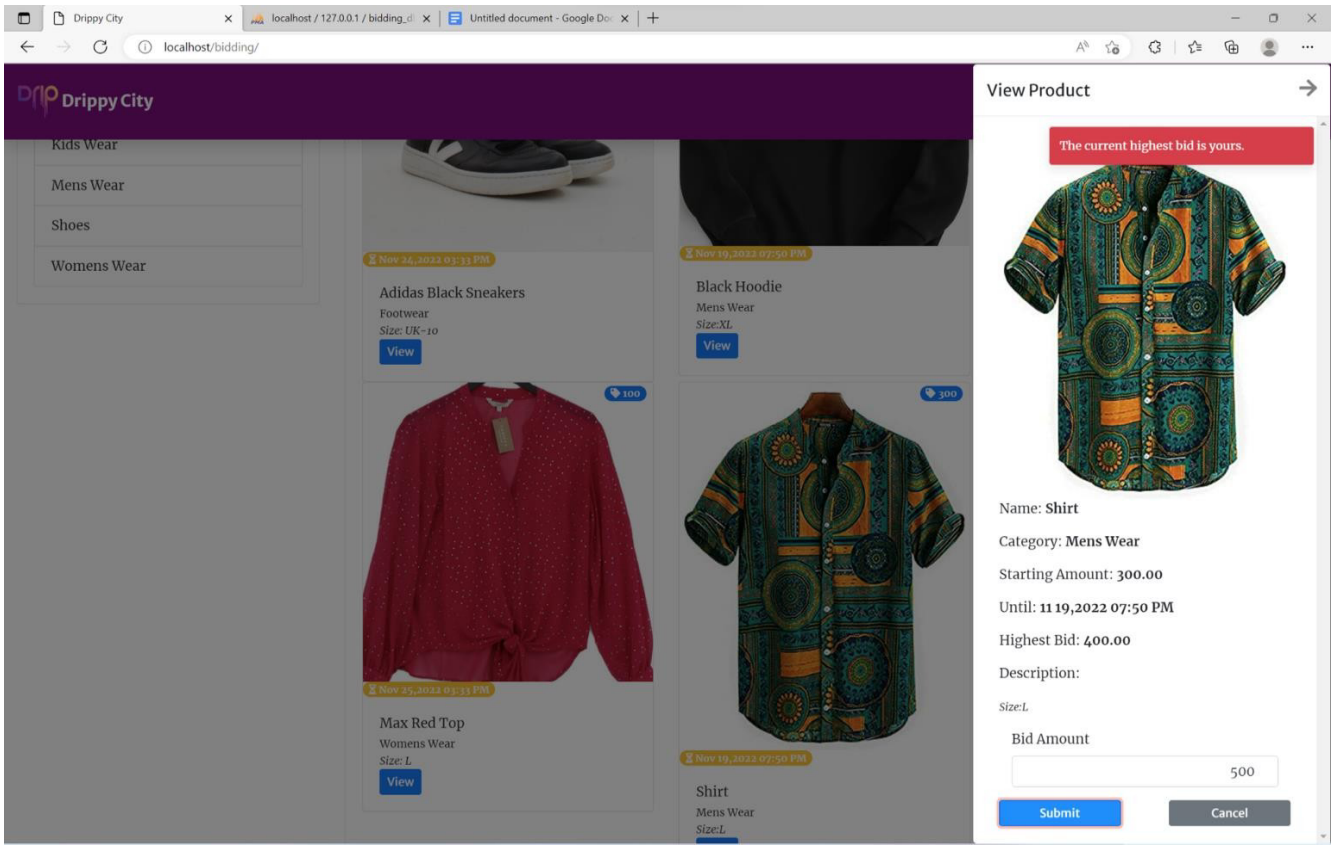

Fig.9

- **Bid Rejection if someone tries to bid lesser than the highest active bid**

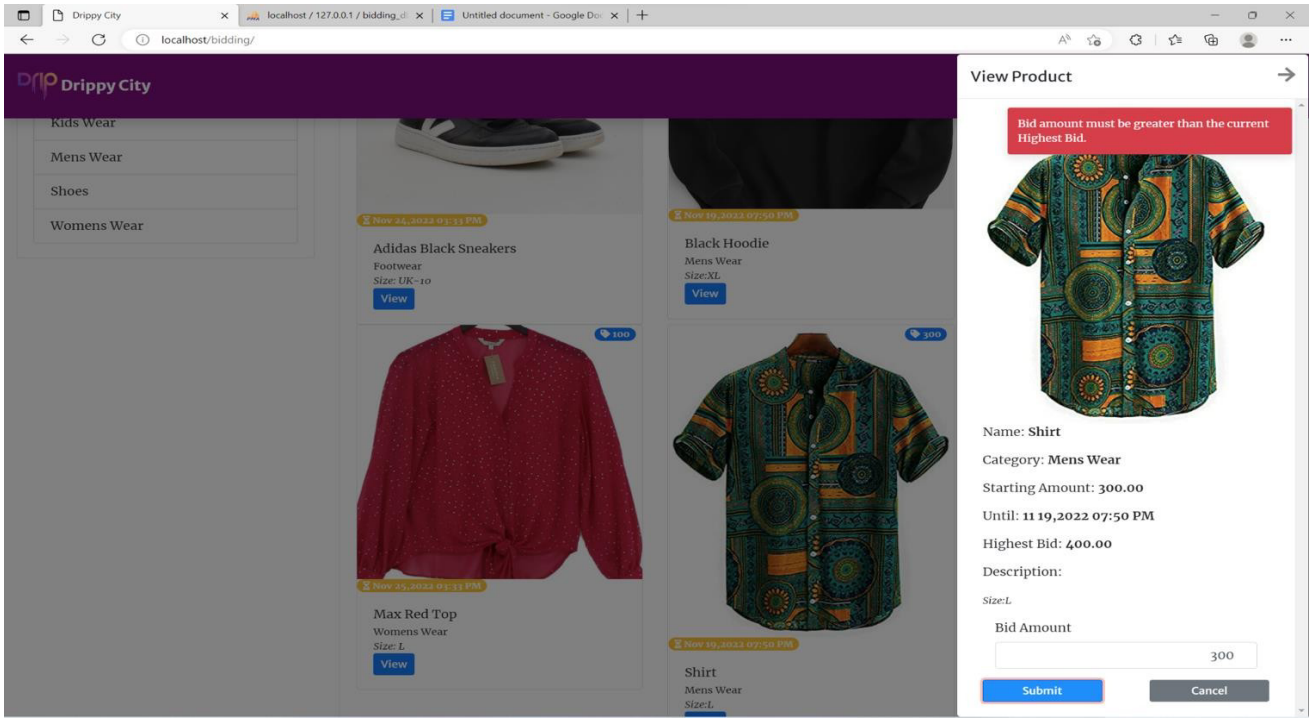

Fig.10

- **Successful bid submission**

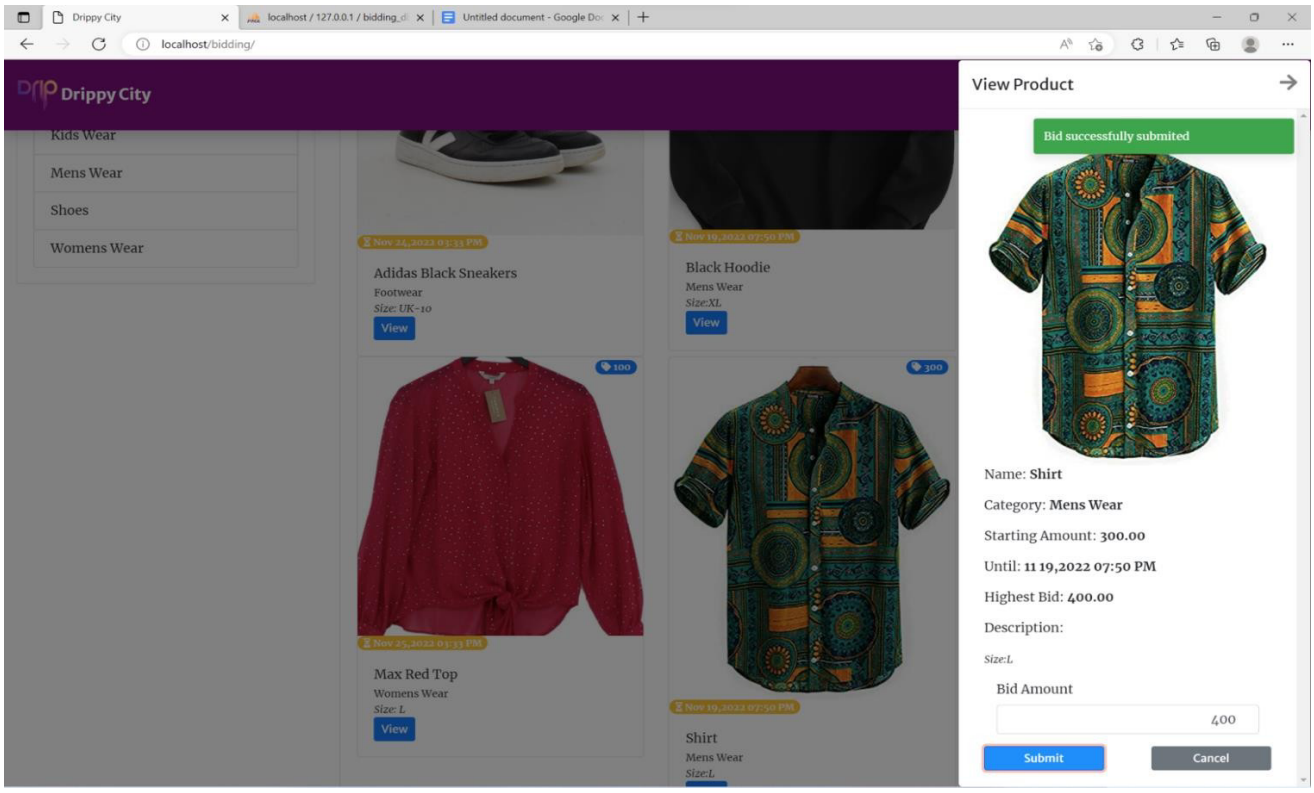

Fig.11

Admin Side

- **Admin Dashboard**

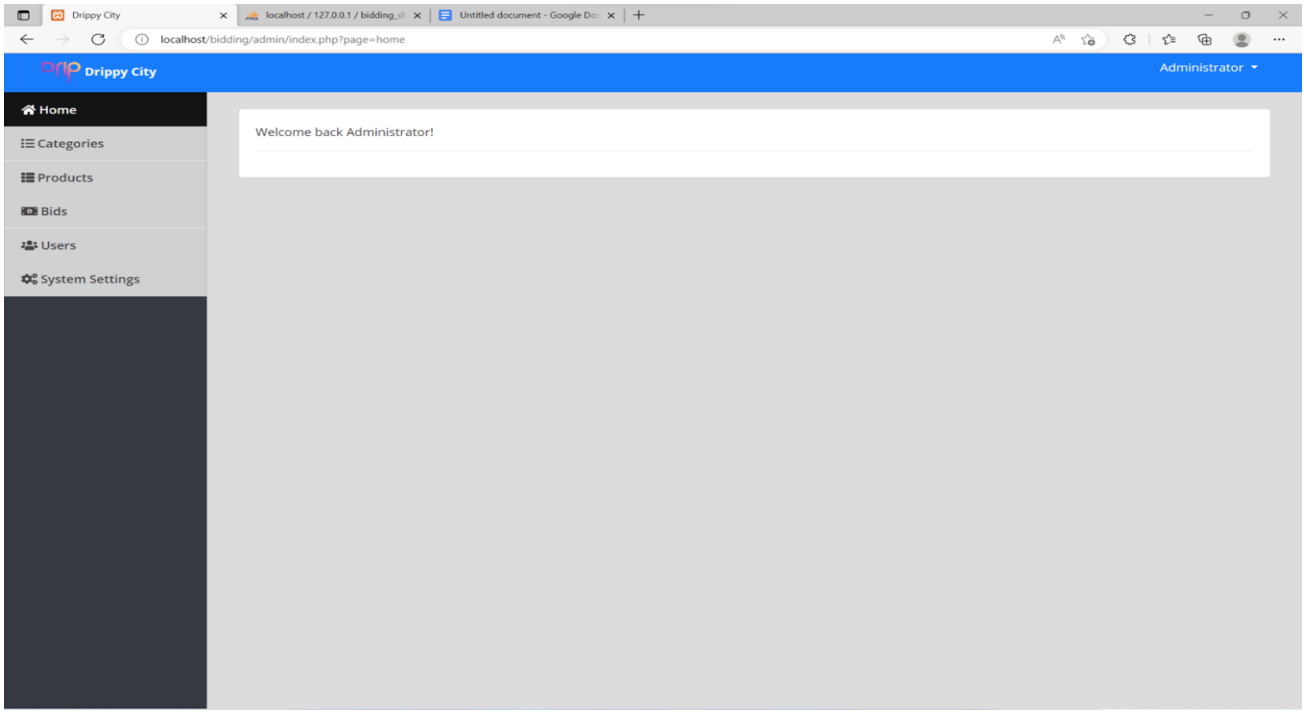

Fig.12

- **Categories addition functionality from admin side**

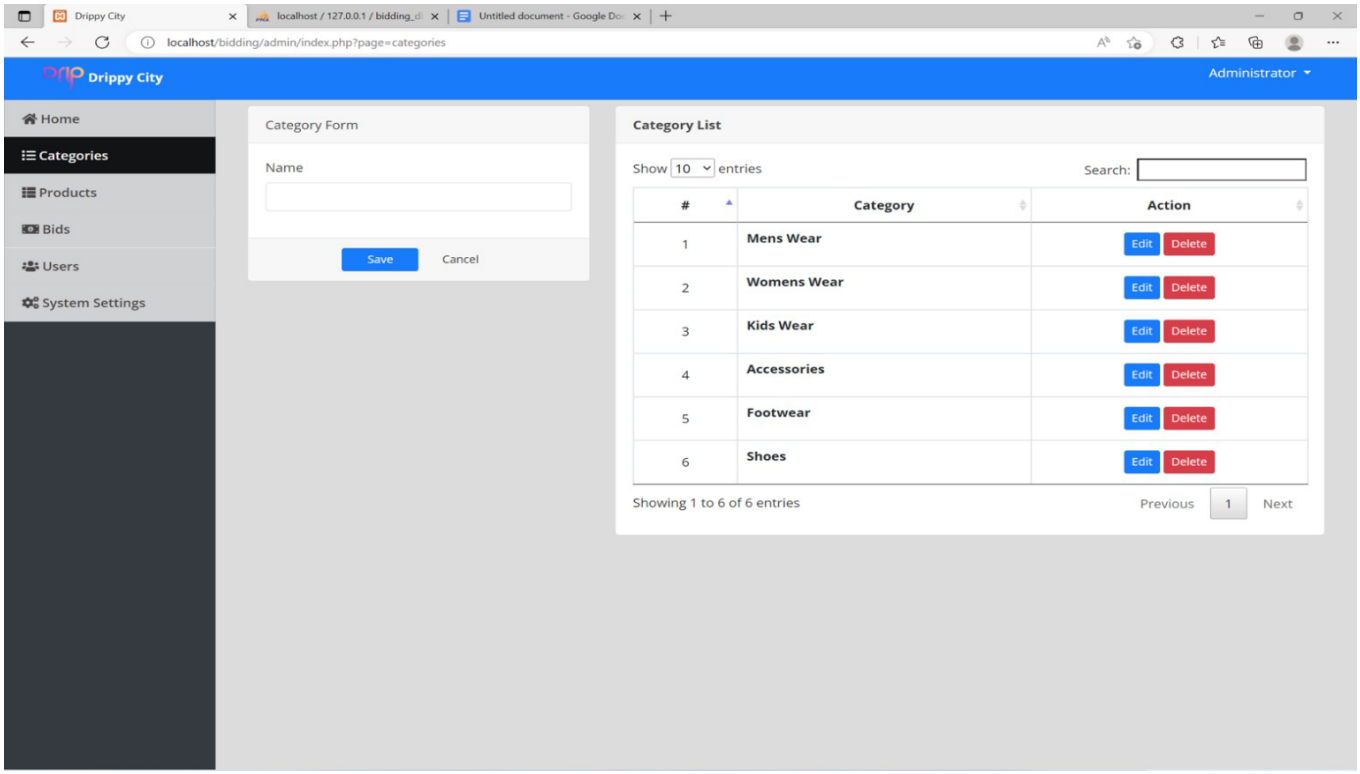

Fig.13

- **Product Lists**

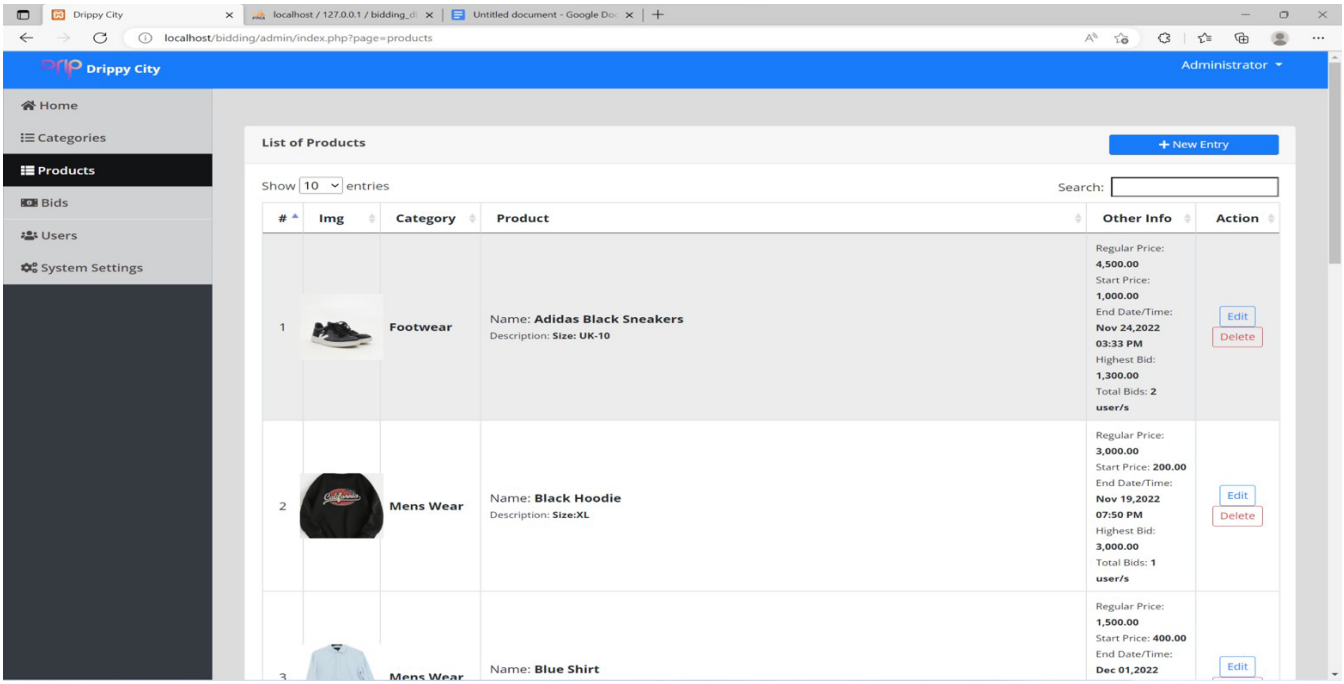

Fig.14

- **Product addition functionality from admin side**

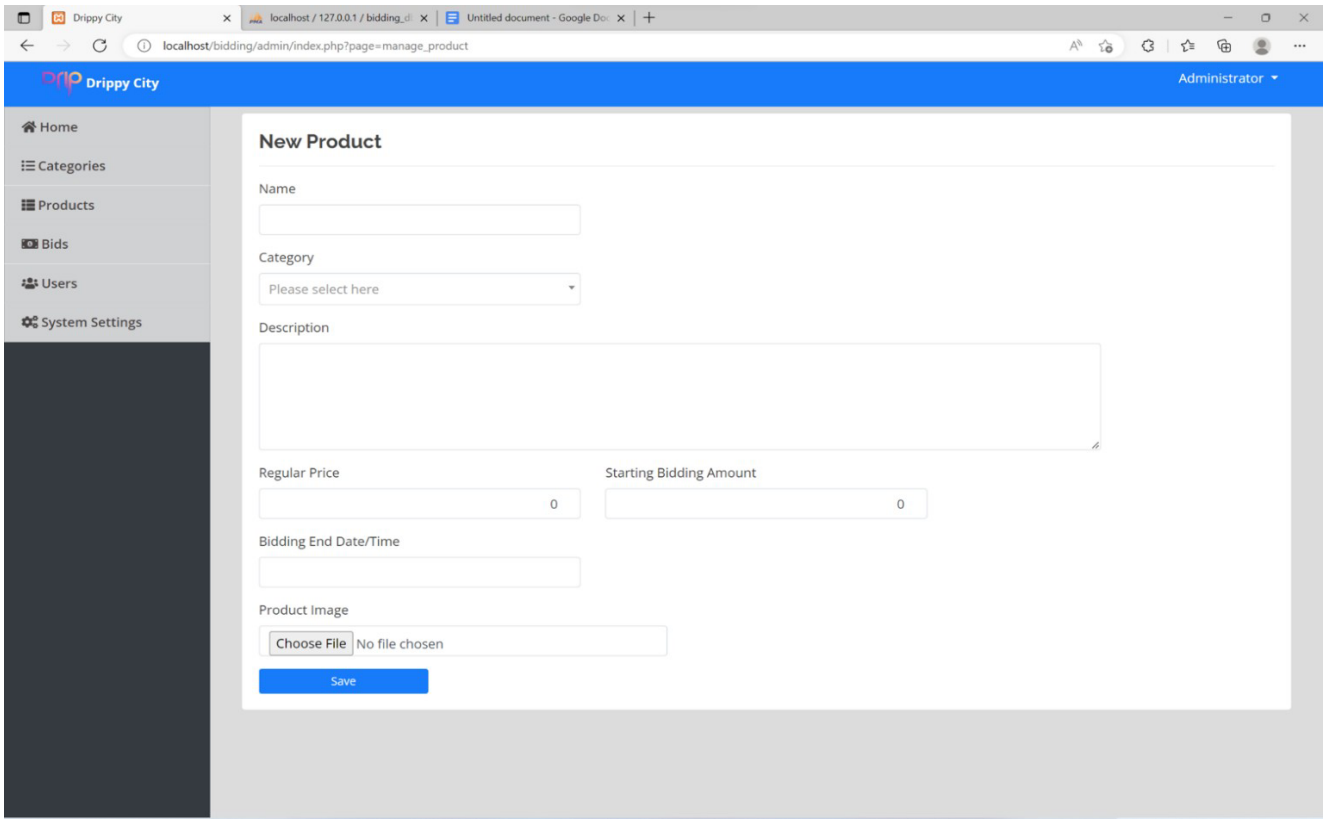

Fig.15

- **Bid History, winner information and Buyer details from admin side**

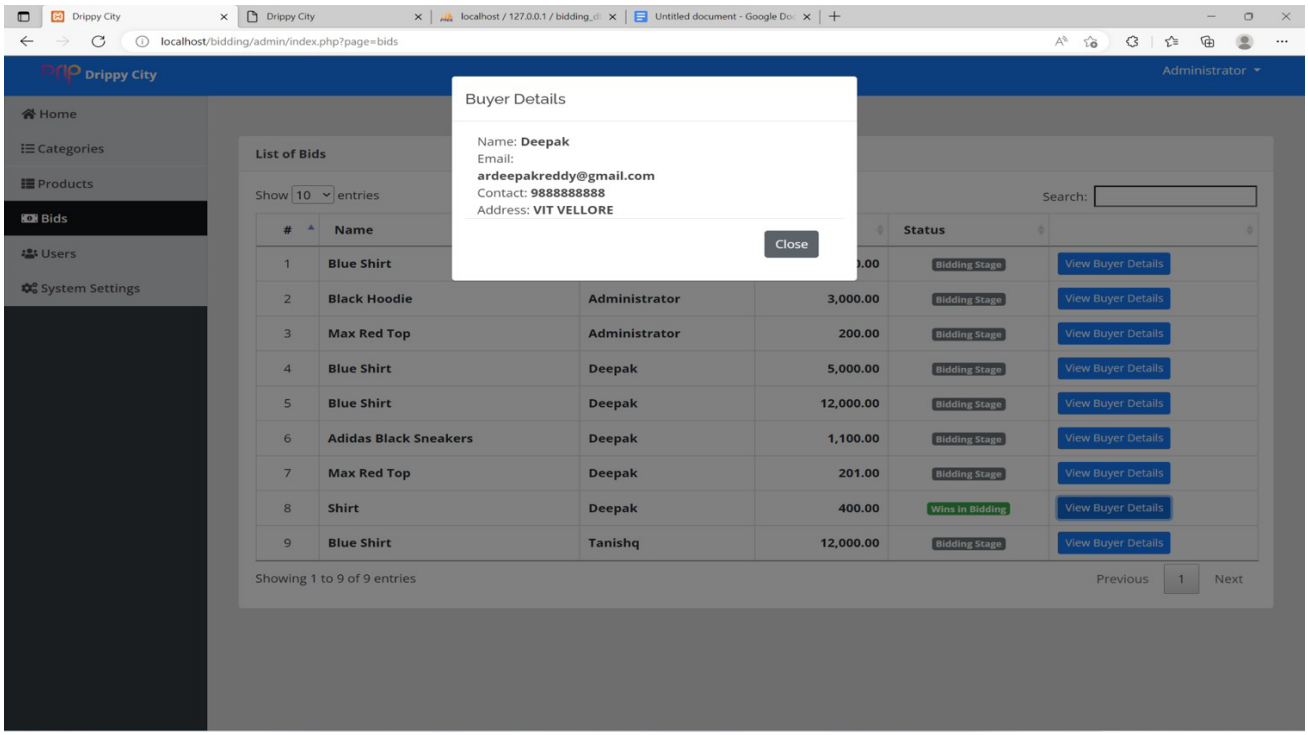

Fig.16

- **User Database**

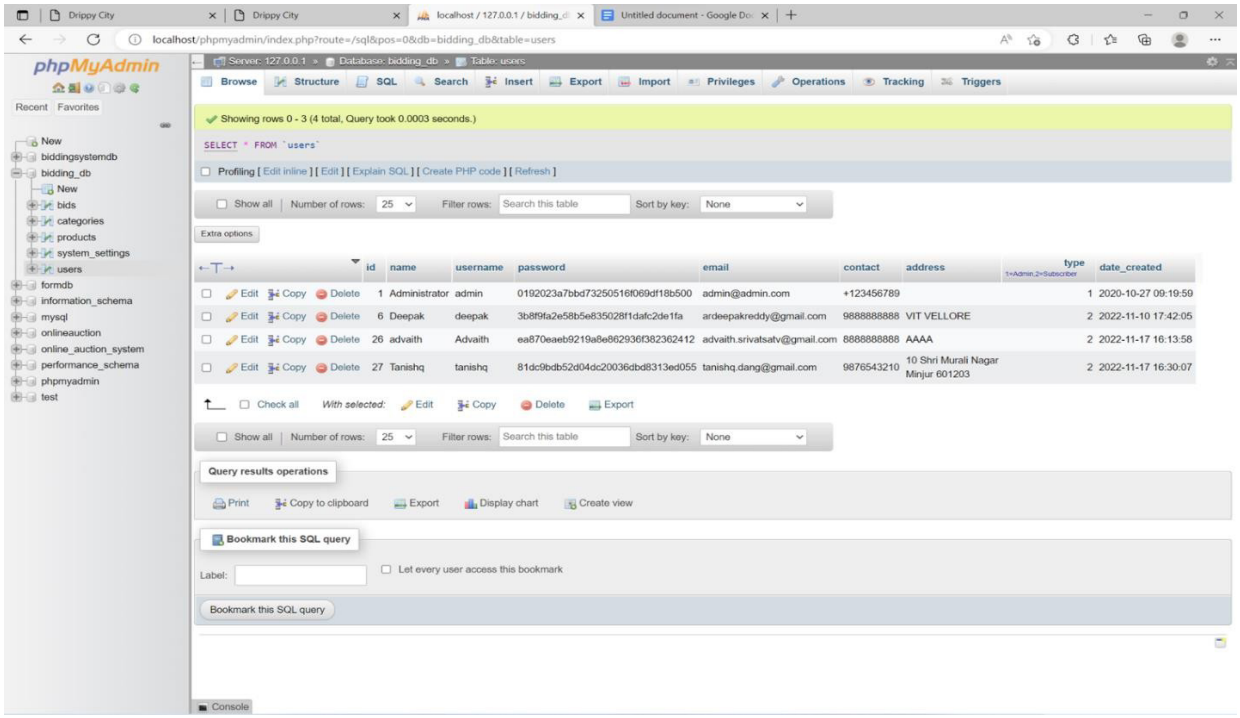

Fig.14

- **Categories Database**

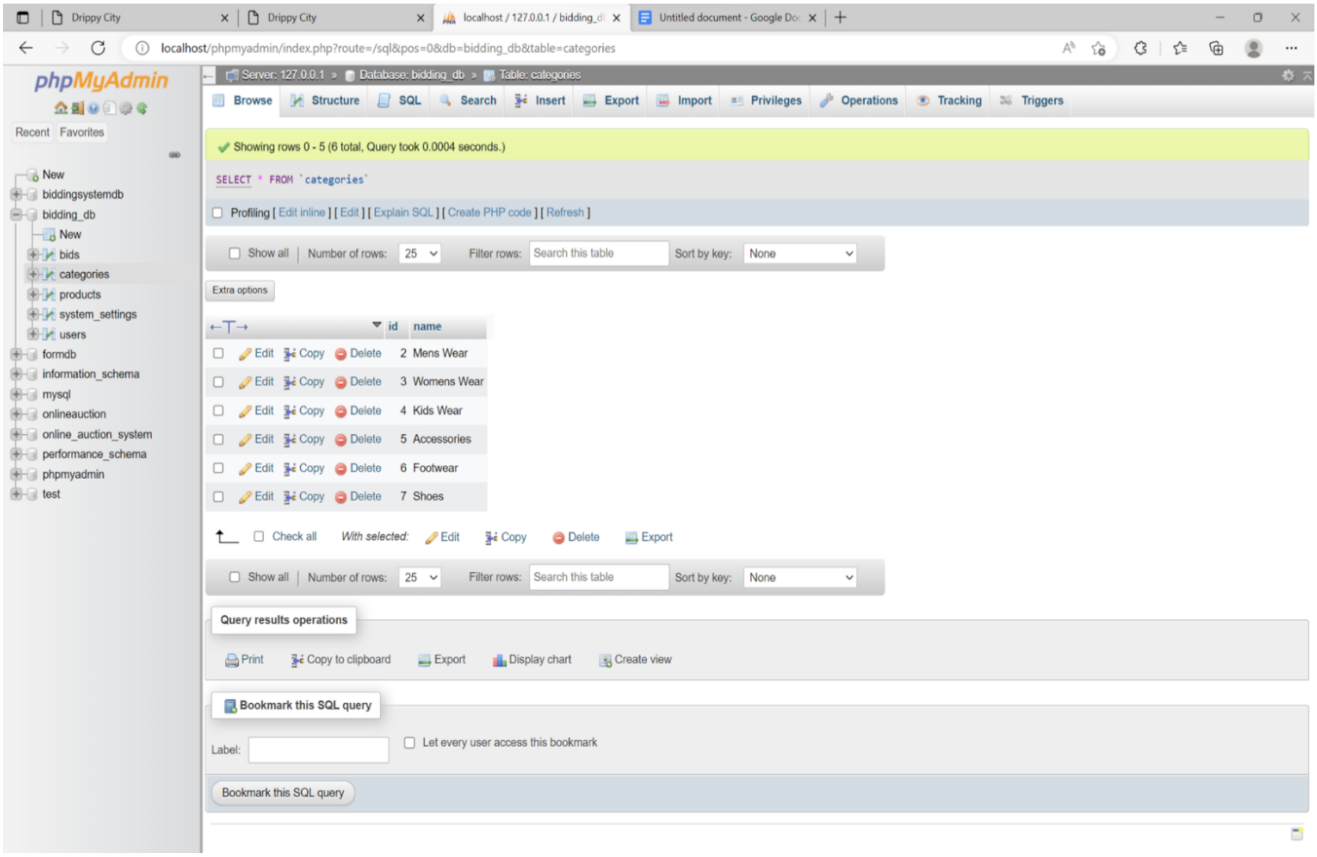

Fig.15

- **Products Database**

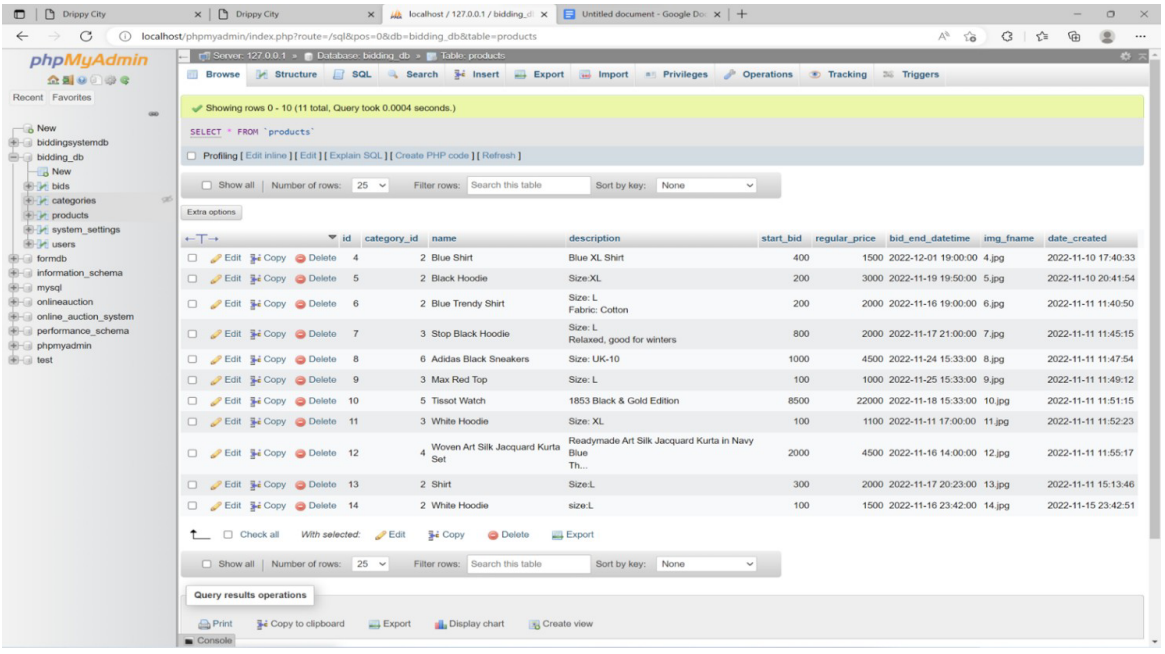

Fig.16

- **Bids Database**

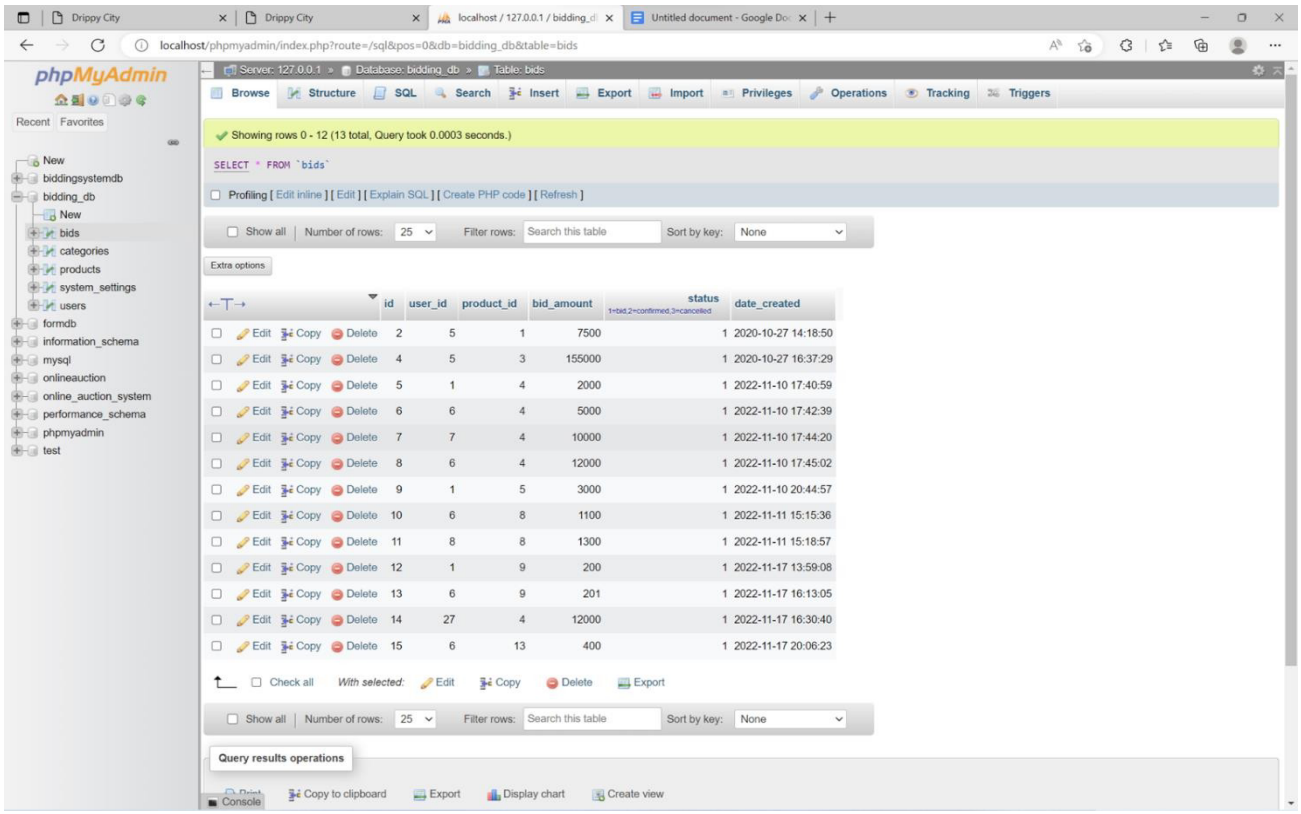

Fig.17

10. CONCLUSION

So, from above all elaboration here in short we would say the online auction system (Drippy City) will give new approaches and dimensions to the auction system .It will encourage both buyers and sellers to participate in the auction process. Removes geographical boundaries, location constraints and time constraints.It is a transparent process with no mutual work. Finally, online auction has become another easy solution to the expectation of online buyers since it excludes the need of physical presence of a bidder at the auction place and the product can be obtained at an affordable price. Buyers can buy the product at their own affordable price.

11. FUTURE SCOPE

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- As the technology emerges, it is possible to upgrade the system and can be adaptable to the desired environment.
- Because it is based on object-oriented design, any further changes can be easily adaptable.
- Based on future security issues, security can be improved using emerging technologies.
- Sub-admin module can be added.
- An in-built web browser can be added.

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