

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Engineering Degree in Information Technology

By

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DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING
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CHENNAI – 600119, TAMILNADU

April 2023



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
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DEPARTMENT OF INFORMATION TECHNOLOGY

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **N surya tarunjee** (Regno:40120114) who carried out the project entitled "Online Auction System" under my supervision from Jan 2023 to March 2023.

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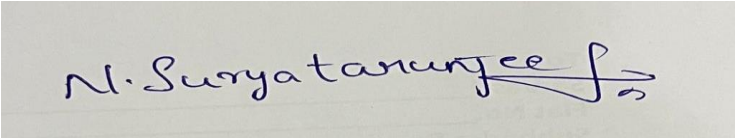
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DECLARATION

I, **N surya tarunjee(Reg no:40120114)** hereby declare that the Project Report entitled “Online **Auction System**” Done by me under the guidance of **Dr.E. Murali,M.Tech., (Ph.D)** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering Degree in Information Technology.

DATE: 29/04/23

PLACE: Chennai

A rectangular box containing a handwritten signature in blue ink. The signature is written in a cursive style and reads "N. Surya Tarunjee".

SIGNATURE OF THECANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to **Board of Management of SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T. Sasikala M.E., Ph. D, Dean, School of Computing, Dr. R. VSubhashini, M.E., Ph.D. Head of the Department of Information Technology** for providing me necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **Mr. Murali. E, M.E., (Ph. D)** for his valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the **Department of Information Technology** who were helpful in many ways for the completion of the project

ABSTRACT

An online auction system is an auction which is held over a pre-installed or internet-based platform. It is a popular method for buying and selling products and services. Auction System helps to customer to sell and buy product in best price. It is developed with the objective of making the system reliable, easier and fast. This application is used to sell the anything on the platform from house. This application is used to sell the anything on the website from house. It developed with the objective of making the system reliable, easier and fast. The application is made as simple as surfing a website. There by non-technical persons can also interact with the processing on the application easily. Auction are among the most influential e-business applications. Despite effortsto set up marketplaces, online trading is still a relatively early stage. Very few companies have started their projects, trying 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 programcarries an online auction of various products on the website. Results: It's a place for buyers and sellers to meet and sell anything. Conclusion: In this system we have a web-portal where registered users can propose new auctions, buy and place bids for auction items. auction is an auction held over the Internet. It is a popular way of buying and selling products and services. The Auction System s helps the customer to sell and buy a product at a high price. It is developed with the aim of making the system reliable, easy and fast. This app is used to sell anything website from house. This app is developed to make the system reliable, easy and fast. The application is made as simple as using a website. There are people who are not technical and can work with processing the request easily.

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CHAPTER-1

INTRODUCTION

Auction means Latin work, which means growth. Auction is a bid, a method of selling; Purchasing and providing services occur. The online auction system has many other names such as e-auction and electronic auction. The client can more accurately specify the need for online auctions or online bidding. Online bidding has become more widespread in all forms of industrial use. Not only does it have the product or goods it needs to sell, it also has the services it can offer. Due to their low cost, this spread caused the system to thrive. Preferred bidders can manage and monitor the same database. The user's data may be maintained confidentially for the validity and integrity of the contract documentation. Multiple bidders can communicate very easily. This system allows multiple bids by single users. Developing a user-friendly auction site where any product can be bid and providing value-added services to bidders and sellers. The world of online auctions Marketplaces allow buyers and sellers to cross geographical limits and purchase products from anywhere over the Internet. The online auction market offers consumers lower prices, greater product selectivity and greater efficiency compared to traditional online markets (Ghose et al., 2001). Seller's choice and the product they produce make greater buyer certainty. It consists of three components: seller rating scores and seller's shipping operations. Certifications, description of product characteristics, product usage and book value. It seeks to ensure buyers product accuracy. Decision Assistance tool also provides seller ratings by using Feedback Scores. These feed backs give previous winning bidders and evaluate online auction product vendors. These bidders give detailed seller ratings of all aspects of the seller, and give scores for how accurate the description of the item is, how satisfied they are with the seller's communication, and how quickly the seller is shipped to them.

1.2 ADVANTAGES

1. There are no groups that sound like a traditional system, where customers have to sit and bid.
2. The convention excludes the usual frustration that usually happens when bidding on a traditional system.
3. Led There is no scheduled schedule limit which means that the bidder can bid anytime and anywhere.
4. The bidding process can be conducted on a global scale

1.3 HARDWARES

1. Processor: Minimum 2.0GHz requires.
2. Ram: 2 GB.
3. Hard Disk: 100 GB.
4. Input device: Standard Keyboard and Mouse.
5. Output device: VGA and High-Resolution Monitor

CHAPTER-2

AIM AND SCOPE OF THE PRESENT INVESTIGATION

2.1 AIM:

An online auction project that holds online auctions of various products on a website and serves sellers and bidders accordingly. The system is designed to allow users to set up their products for auctions and bidders to register and bid for various products available for bidding.

2.2 SCOPE OF THE PROJECT:

This system is designed as an online web-based application which shall be accessed by any device, either a computer, tablet, iPad, iPhone, mobile phone or PDAs.

This system is targeted to serve primarily my local town, then by more modification it shall serve the whole country where more business enterprises shall have access to the system and finally reach out to the entire globe.

Using this online auction management system, bidders will be able to get connected to the specific sellers who will offer them necessary information and or give hand to sell their items to them. It will help save time and offer quality deliverables to the bidders by quick response and attention services (Gemino and Parker, 2009). This system will replace the manual way of seeking items in the market and travelling long journeys just to get an item yet there are available items just in the neighborhood.

The scope of this application to build a user-friendly auctioning website, where user will be able to auctioned any product which is available nearby or anywhere in the world. By using Online Auction management system it will be easy for auctioneer to make an auction and time saving also. By making auction through this application will help to reach maximum of buyers bidding in local area. There will be a feature where bidder and seller can message each other.

CHAPTER 3

EXPERIMENTAL OR MATERIALS AND METHODS; ALGORITHMS USED

3.1 Requirement Collection and Analysis:

The Online Auction System was developed using HTML, PHP/MySQLi, JavaScript (Ajax/jQuery), CSS, and Bootstrap for the styling. The system has 2 sides of the user interface, one is for the subscriber or the possible buyer side and one is the admin side which is the side where the management will manage the data in the project.

Features

Admin side

- **Login Page**
 - The page where the system admin or management staff submit their system credentials to access the data and features of the system.
- **Home Page**
 - The page where the system admin or redirected by default when logging into the system.
- **Category Page**
 - The page where the product categories are a list and managed.
- **Products Page**
 - The page where the system admin or staff manages the list of products for auction or bidding.
- **Bids Page**
 - The page where the list of bids is displayed along with their status.
- **User Page**
 - The page where the system admin manages the list of system users.
- **System Settings Page**
 - The page where the system admin manages the system information.

Subscribers or User Page

- **Home page**
 - The page where the users or subscribers will be redirected by default when browsing the bidding system website.
- **About Page**
 - The page where the company's/websites about page shown.
- **Login Modal**
 - The popup modal on the website where the user will submit their system credential in order to use the bidding feature of the website.

- **Signup Modal**
 - The popup modal where the new subscriber or user creates their account.
- **Product View Modal**
 - The modal that displays all the data of the product for bidding. This is where the subscriber or user bids for their desired product.

PROPOSED MODEL:

The auction system requires the information provided by the item seller to include machine learning algorithms so that the final price can be accurately predicted. These algorithms are used in products with complex features or details such as speed, memory size, etc. However, "soft" products such as jewelry differ in the characteristics they used to compare different types of objects. Features such as size, texture and color are present but are not the type of "defining" brand style. The auction system requires the information provided by the item seller to include machine learning algorithms so that the final price can be accurately predicted. These algorithms are used in products with complex features or details such as speed, memory size, etc. However, "soft" products such as jewelry differ in the characteristics they used to compare different types of objects. Features such as size, texture and color are present but are not the type of "defining" brand style

EXISTING SYSTEM:

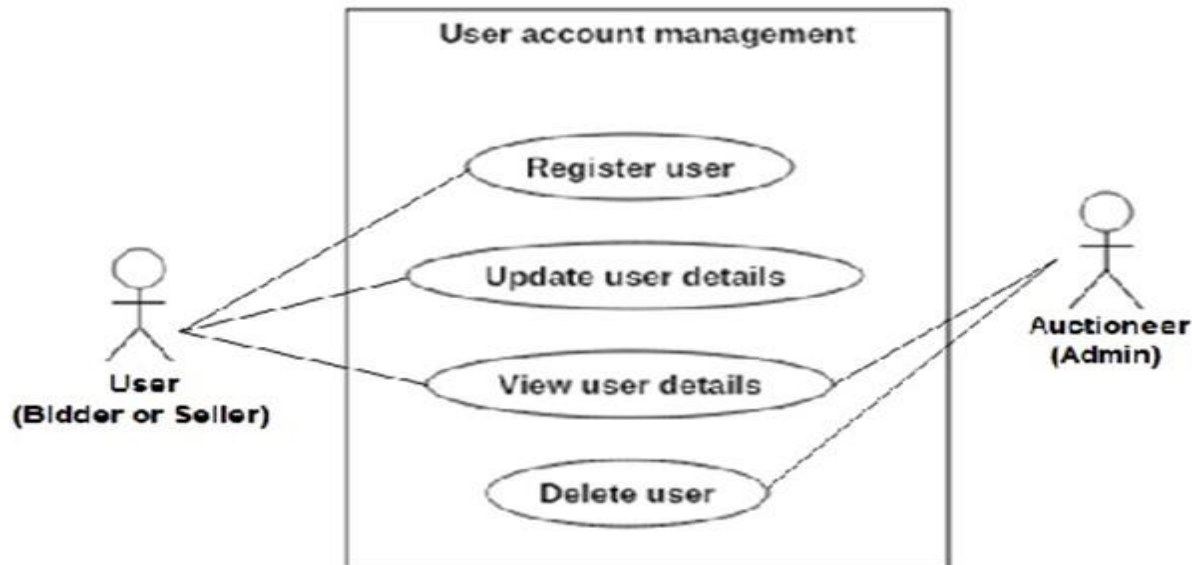
Existing "ONLINE AUCTION SYSTEM" is manually controlled. Before each auction, the auction date, venue and auction items are announced by the media. Those wishing to participate in the auction should arrive at the venue on that day in time. This common method most of the time prevents the craving for bidding process. Another painful thing to do with the old system is to investigate each bidding process and make it out of cash. therefore the system should keep records of both buyers and sellers until the settlement is resolved. This process is weird and time-consuming.

System Implementation:

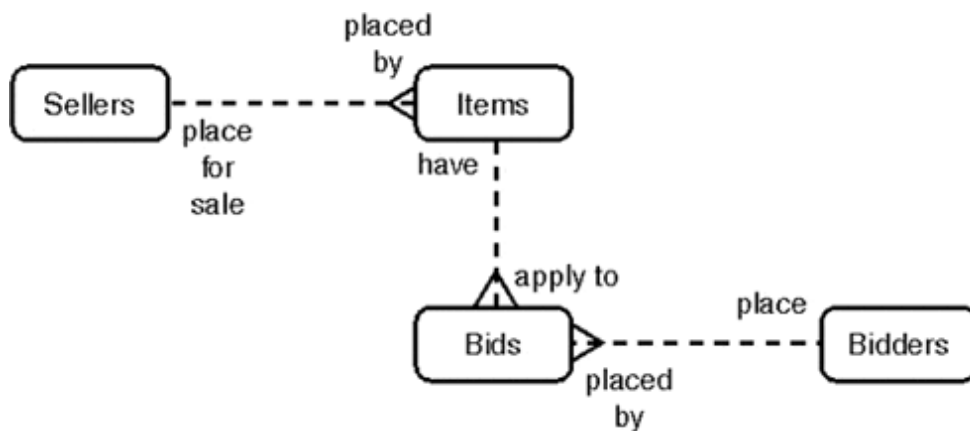
This section shows the artifacts of the proposed work in addition to the subsequent implementation of system analysis and design. System analysis and configuration results of the proposed system are presented. PHP programming language and HTML are used according to their attributes to suit this purpose. To start using the proposed system, the user must register as a bidder or vendor (as shown in figure 4), the proposed system to enable a user (bidder or seller)

displayed by a registered user (bidder or seller) on the OAS welcome web page Confirmed by the site. An unregistered user must fill out a registration form to use the system. The bidding interface is represented.

3.2 Sample Registration Map for Online Auction System



3.3 Logical Data Model :



3.4 Front-end Design:

The front in design plays an important role for any application. This has a lot to do with making the user-friendly with the interface.

Table 3.4.1: Description of Use Case to Create an Account

Name:	Create an Account
Precondition:	None
Actor	User
Primary Path:	1)Type Name 2)Type contact 3)Type Address 4)Type Email 5)Type Username 6)Type Password" 7)click create „Button“
Exceptional Path:	1.1) Name is required 2.1) Email is required 3.1) Pass is required 4.1) contact is required 5.1) Username is required 6.1) Address is required 7.1) Pass must be larger than 6 characters

Table 3.4.2 Description of Use Case for Login

Name:	Login
Precondition:	Registration
Actor	User
Primary Path:	1) Type Username 2) Type Password 3) Click Login „Button“
Exceptional Path:	1.2) Username is required 2.1) Password is required 3.2) Password or username is incorrect

3.4.3 DataBase Code

```
-- phpMyAdmin SQL Dump
-- version 5.0.2
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: Oct 27, 2022 at 09:51 AM
-- Server version: 10.4.14-MariaDB
-- PHP Version: 7.2.33

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;

--
-- Database: `bidding_db`
--
```

```
-- -----  
  
--  
-- Table structure for table `bids`  
--  
  
CREATE TABLE `bids` (  
  `id` int(30) NOT NULL,  
  `user_id` int(30) NOT NULL,  
  `product_id` int(30) NOT NULL,  
  `bid_amount` float NOT NULL,  
  `status` tinyint(1) NOT NULL DEFAULT 1 COMMENT '1=bid,2=confirmed,3=cancelled',  
  `date_created` datetime NOT NULL DEFAULT current_timestamp() ON UPDATE  
current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;  
  
--  
-- Dumping data for table `bids`  
--  
  
INSERT INTO `bids` (`id`, `user_id`, `product_id`, `bid_amount`, `status`,  
`date_created`) VALUES  
(2, 5, 1, 7500, 1, '2020-10-27 14:18:50'),  
(4, 5, 3, 155000, 1, '2020-10-27 16:37:29');  
  
-- -----  
  
--  
-- Table structure for table `categories`  
--  
  
CREATE TABLE `categories` (  
  `id` int(30) NOT NULL,  
  `name` varchar(200) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;  
  
--  
-- Dumping data for table `categories`  
--  
  
INSERT INTO `categories` (`id`, `name`) VALUES  
(1, 'Sample Category'),  
(2, 'Appliances'),  
(3, 'Desktop Computers'),  
(4, 'Laptop'),  
(5, 'Mobile Phone');  
  
-- -----  
  
--  
-- Table structure for table `products`
```

```
--

CREATE TABLE `products` (
  `id` int(30) NOT NULL,
  `category_id` int(30) NOT NULL,
  `name` varchar(200) NOT NULL,
  `description` text NOT NULL,
  `start_bid` float NOT NULL,
  `regular_price` float NOT NULL,
  `bid_end_datetime` datetime NOT NULL,
  `img_fname` text NOT NULL,
  `date_created` datetime NOT NULL DEFAULT current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `products`
--

INSERT INTO `products` (`id`, `category_id`, `name`, `description`, `start_bid`,
`regular_price`, `bid_end_datetime`, `img_fname`, `date_created`) VALUES
(1, 5, 'Sample Smart Phone', 'Sample only', 7000, 7000, '2020-10-27 19:00:00',
'1.jpg', '2020-10-27 09:50:54'),
(3, 1, 'Gadget Package', 'Sample ', 150000, 15000, '2020-10-27 17:00:00',
'3.jpg', '2020-10-27 09:59:39');

-- -----

--
-- Table structure for table `system_settings`
--

CREATE TABLE `system_settings` (
  `id` int(30) NOT NULL,
  `name` text NOT NULL,
  `email` varchar(200) NOT NULL,
  `contact` varchar(20) NOT NULL,
  `cover_img` text NOT NULL,
  `about_content` text NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

--
-- Dumping data for table `system_settings`
--

INSERT INTO `system_settings` (`id`, `name`, `email`, `contact`, `cover_img`,
`about_content`) VALUES
(1, 'Simple Online Bidding System', 'info@sample.comm', '+6948 8542 623',
'1603344720_1602738120_pngtree-purple-hd-business-banner-image_5493.jpg', '<p
style="text-align: center; background: transparent; position:
relative;"><span style="color: rgb(0, 0, 0); font-family:
"Open Sans", Arial, sans-serif; font-weight: 400; text-align:
justify;">&nbsp;is simply dummy text of the printing and typesetting
```

industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

</p><p style="text-align: center; background: transparent; position: relative;">
</p><p style="text-align: center; background: transparent; position: relative;">
</p></p></p>');</p>

-- -----

--

-- Table structure for table `users`

--

```
CREATE TABLE `users` (
  `id` int(30) NOT NULL,
  `name` text NOT NULL,
  `username` varchar(200) NOT NULL,
  `password` text NOT NULL,
  `email` varchar(200) NOT NULL,
  `contact` varchar(100) NOT NULL,
  `address` text NOT NULL,
  `type` tinyint(1) NOT NULL DEFAULT 2 COMMENT '1=Admin,2=Subscriber',
  `date_created` datetime NOT NULL DEFAULT current_timestamp()
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

--

-- Dumping data for table `users`

--

```
INSERT INTO `users` (`id`, `name`, `username`, `password`, `email`, `contact`,
`address`, `type`, `date_created`) VALUES
(1, 'Administrator', 'admin', '0192023a7bbd73250516f069df18b500',
'admin@admin.com', '+123456789', '', 1, '2020-10-27 09:19:59'),
(5, 'John Smith', 'jsmith', '1254737c076cf867dc53d60a0364f38e',
'jsmith@sample.com', '+18456-5455-55', 'Sample', 2, '2020-10-27 14:18:32');
```

--

-- Indexes for dumped tables

--

--

-- Indexes for table `bids`

--

```
ALTER TABLE `bids`
  ADD PRIMARY KEY (`id`);
```

--

```
-- Indexes for table `categories`
--
ALTER TABLE `categories`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `products`
--
ALTER TABLE `products`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `system_settings`
--
ALTER TABLE `system_settings`
  ADD PRIMARY KEY (`id`);

--
-- Indexes for table `users`
--
ALTER TABLE `users`
  ADD PRIMARY KEY (`id`);

--
-- AUTO_INCREMENT for dumped tables
--

--
-- AUTO_INCREMENT for table `bids`
--
ALTER TABLE `bids`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;

--
-- AUTO_INCREMENT for table `categories`
--
ALTER TABLE `categories`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;

--
-- AUTO_INCREMENT for table `products`
--
ALTER TABLE `products`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=4;

--
-- AUTO_INCREMENT for table `system_settings`
--
ALTER TABLE `system_settings`
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=2;

--
```

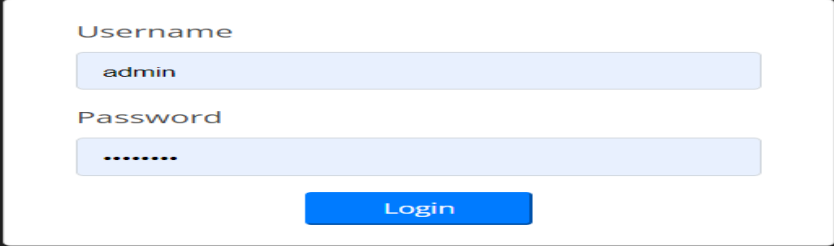
```
-- AUTO_INCREMENT for table `users`  
--  
ALTER TABLE `users`  
  MODIFY `id` int(30) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=6;  
COMMIT;  
  
/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;  
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;  
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

Chapter – 4

Results and Discussion, Performance Analysis

4.1 Result :

The fig 4.1.1 is given below is Admin/User Login Interface



The image shows a login interface on a dark background. It features a white rectangular box containing two input fields and a button. The first field is labeled 'Username' and contains the text 'admin'. The second field is labeled 'Password' and contains a series of dots. Below these fields is a blue button with the text 'Login'.

Fig 4.1.1: Admin/User Log in Interface

The fig 4.1.2 given below user registration Interface

JS...

Create an Account

Name

Contact

Address

Email

Username

Password

[Create](#) [Cancel](#)

The fig 4.1.3 shows auctioning categories that are going to be bid

Simple Online Bidding System[Home](#) [About](#) [Welcome harsha](#)

Categories

All

Appliances

Celebrity Dress

Desktop Computers

Klfjdkldfna

Laptop

Mobile Phone

Sample Category



50,000

Now 05, 2022 10:00 PM

priyanka mohan used dress

celebrity dress

most demanded

[View](#)

fig 4.1.4: shows the view page of the product i.e., details of product

View Product →



Name: priyanka mohan used dress

Category: celebrity dress

Starting Amount: 50,000.00

Until: 11 05,2022 10:00 PM

Highest Bid: 52,000.00

Description:
most demanded

Bid

fig 4.1.5 show control panel of admin

The screenshot displays the 'Simple Online Bidding System' Admin Control Panel. The top navigation bar is blue with the system name on the left and 'Administrator' on the right. A sidebar on the left contains links to Home, Categories, Products (highlighted), Bids, Users, and System Settings. The main content area is titled 'List of Products' and includes a '+ New Entry' button. Below this, there is a 'Show 10 entries' dropdown and a search bar. A table lists the products, with one entry visible: 'Celebrity Dress' with a product image. The table columns are '#', 'Img', 'Category', 'Product', 'Other Info', and 'Action'. The 'Product' column shows 'Name: Priyanka Mohan Used Dress' and 'Description: most demanded'. The 'Other Info' column shows 'Regular Price: 20,000.00', 'Start Price: 50,000.00', 'End Date/Time: Nov 05, 2022 10:00 PM', 'Highest Bid: 53,000.00', and 'Total Bids: 2 user/s'. The 'Action' column has 'Edit' and 'Delete' buttons. At the bottom, it says 'Showing 1 to 1 of 1 entries' and has 'Previous', '1', and 'Next' pagination controls.

#	Img	Category	Product	Other Info	Action
1		Celebrity Dress	Name: Priyanka Mohan Used Dress Description: most demanded	Regular Price: 20,000.00 Start Price: 50,000.00 End Date/Time: Nov 05, 2022 10:00 PM Highest Bid: 53,000.00 Total Bids: 2 user/s	Edit Delete

The fig 4.1.6 shows Amount Bidding by the user

The screenshot shows the 'Amount Bidding' interface. It features a large text input field with the value '53000' and a small up/down arrow icon. Below the input field are two buttons: a blue 'Submit' button and a grey 'Cancel' button.

4.2 Discussion:

By the end of this project, the Online Auction System is successfully achieving its objectives which are the auction system requires the information provided by the item seller to include machine learning algorithms so that the final price can be accurately predicted. These algorithms are used in products with complex features or details such as speed, memory size, etc. However, "soft" products such as jewelry differ in the characteristics they used to compare different types of objects. Features such as size, texture and color are present but are not the type of "defining" brand style.

4.3 Analysis:

By using online auction system, we can provide a user-friendly environment, that which a user can directly enter into the platform and he can purchase his deserved product from this. We can make access to the people or users across the globe and make it easy for them to purchase their wished item

Chapter – 5

Summary and Conclusion

5.1 Summary:

The developed system is simple and changes can be made easily. The system was developed with insight into the changes needed in the future. One of the future improvements of our system is to improve system security by adding the option to blacklist default bidders. These are also an option for rating sellers. An online payment solution can be added to the system.

5.2 Conclusion:

The online auction system has made customers more efficient and efficient in their behavior and has driven businesses to new heights, forcing many to make the adjustments and changes necessary to reach a new market of knowledgeable consumers. The rapid growth of e-auctions has led to an e-transformation in global retail infrastructure. Thanks to a growing internet and higher incomes and a more savvy population, despite many obstacles. Secure online payments, good for electronic stores, return policies and exciting discounts help you understand the benefits of the auction system. A better understanding of the behavior of the consumer online auction system can help companies gain more online customers and increase their e-business revenue. At the same time, consumers are more inclined to make purchases online, as they realize the benefits of e-auction. With the popularity of the Internet, the number of Internet users continues to grow and more and more Internet users are becoming online users, even regular online buyers.

Chapter – 6

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