

Project Report on
ONLINE AUCTION PLATFORM



Submitted by

SWARNENDU CHAKRABORTY (12022002016042)
SUDARSAN DATTA (12022002016016)

Under the supervision and guidance of

Dr.Deepsubhra Guha Roy.

Associate Professor, Department of CSE (AIML),
Institute of Engineering and Management (IEM),
Kolkata, Salt Lake, India.

**PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE FIFTH SEMESTER**

Academic Year: 2022-26

Submitted to

**INSTITUTE OF ENGINEERING AND
MANAGEMENT, KOLKATA**



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)
INSTITUTE OF ENGINEERING AND MANAGEMENT, KOLKATA**



1. CERTIFICATE OF RECOMMENDATION

We hereby recommend that the project prepared under our supervision by **SWARNENDU CHAKRABORTY , SUDARSAN DATTA** entitled **<ONLINE AUCTION PLATFORM>** be accepted in partial fulfillment of the requirements for the degree of partial fulfillment of the fifth semester.

Head of the Department
CSE(AIML),IEM, Kolkata

Project Supervisor

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)
INSTITUTE OF ENGINEERING AND MANAGEMENT, KOLKATA**



DECLARATION

We Swarnendu Chakraborty, Sudarsan Datta, hereby declare that this project report entitled “Online Action Platform” which is being submitted to Institute of Engineering and Management (IEM), Kolkata , in partial fulfilment of the requirements for the fifth semester is an authentic record of our genuine work done under the guidance of Dr.Deepsubhra Guha Roy, Associate Professor, Department of CSE (AIML), Institute of Engineering and Management (IEM), Kolkata, Salt Lake, India, during the academic year 2022-2026.

SWARNENDU CHAKRABORTY [12022002016042]

SUDARSAN DATTA [12022002016016]

Date:.....

Place:.....

ACKNOWLEDGEMENT

We would like to sincerely thank all the people directly or indirectly involved in this project without whose help the completion of this project would have been impossible.

I would like to express my sincere gratitude to my DBMS faculty Dr.Deepshhra Guha Roy sir who in spite of his busy schedule took keen interest in giving me all the necessary information for developing a good project and for his unlisted encouragement and timely support till my successful completion of the project work.

We thank Deepshhra sir who has guided us and provided support and genuine replies to our queries. He has not only guided us in the project but also helped us by providing suggestions without which we couldn't improve at work. HIS certain suggestions and interest in helping us complete the project has led me to the successful result of my project and also all the other Lecturers and lab instructors who had been more of a support to us than ever.

We thank whole heartedly to our beloved Prof. Amartya Mukherjee, Head of CSE(AIML) for granting permission to undertake the project.

Finally, we thank to our parents, who were there by us, financially supported throughout the project and provided the support we needed throughout my life.

INDEX

1. SYNOPSIS	11
1.1 Title of the Project	11
1.2 Objective of the Project.....	11
1.3 Project Category.....	11
1.4 Language(s) to be used.....	11
1.5 HARDWARE AND SOFTWARE REQUIREMENTS....	11
1.6 LANGUAGES TO BE USED.....	11
1.7 STRUCTURE OF THE PROGRAM	12
1.7.1 ANALYSIS	12
1.7.2 MODULE DESCRIPTION	12
1.7.3 DATA STRUCTURES	12
1.8 LIMITATIONS	13
1.9 FUTURE SCOPE	13
2. SOFTWARE REQUIREMENTS SPECIFICATION.....	15
2.1 Introduction.....	15
2.2 Purpose.....	15
2.2.1 Scope.....	15
2.2.2 Definitions, Acronyms and Abbreviations.....	16
2.2.3 References.....	16
2.2.4Overview.....	16
2.3 Overall description.....	16
2.4Product Perspective.....	16
2.5 Product Features.....	16
2.6 User classes and characteristics.....	16

2.7 Design and implementation constraints.....	17
2.8 Assumptions and Dependencies.....	17
2.9 Specific requirements.....	17
2.9.1 External Interface Requirements.....	17
2.9.1 User Interfaces.....	18
2.10 Hardware Interfaces.....	18
2.11 Software Interfaces.....	18
2.12 Communication Interfaces.....	18
2.13 Functional Requirements.....	18
2.14 Document conventions.....	21
2.15 Intended users and Reading suggestions.....	21
2.16 System features.....	21
2.17 Other non-functional Requirements.....	21
2.17.1 Performance Requirements.....	21
2.17.2 Safety Requirements.....	22
2.17.3 Security Requirements.....	22
2.17.4 Software quality attributes.....	22
3. SYSTEM DESIGN.....	23
3.1 Introduction.....	24
3.2 System Context Diagram.....	24
3.3 Data Flow Diagram.....	24
3.3.1 DFD for Level 1 Admin.....	25
3.3.2 DFD for Level 1 Customer.....	26
3.3.3 DFD for Level 2 Customer.....	27
3.3.4 DFD for Level 1 Employee.....	28

4.DATABASE DESIGN.....	30
4.1 INTRODUCTION.....	30
4.1.1. Internal level.....	30
4.1.2. Conceptual level	30
4.1.3. External level	30
4.2. WHAT IS DATABASE.....	30
4.3. DATABASE DESIGN.....	31
4.4. TABLE STRUCTURE.....	32
4.5. ENTITY RELATIONSHIP DIAGRAM	36
4.5.1 ER Diagram.....	38
5.DETAILED DESIGN.....	40
5.1 Introduction.....	40
5.2 Applicable documents.....	40
5.3 Structure of the software package.....	40
5.4 STRUCTURE CHART OF ADMIN.....	42
5.5 STRUCTURE CHART OF Employee.....	42
5.6 STRUCTURE CHART OF Customer.....	43
5.7 Modular Decomposition Of Components.....	43
5.8 Customer Account Component.....	44
5.9. Product list Component.....	44
5.10. Category Component.....	45
5.11. Search Component.....	46
5.12 Bidding Component.....	46
5.13. Purchase Component.....	47

5.14. Chat Component.....	48
5.15 Report Component.....	48
5.16. Dashboard Component.....	49
5.17. Settings Component.....	50
6.CODING.....	52
6.1 Introduction.....	52
6.2 Programming practices.....	53
6.3 Coding for Register.....	54
6.4 Validation For Category.....	62
6.5 Coding for Category.....	65
7.TESTING.....	74
7.1 Introduction.....	74
7.2 Levels of Testing.....	74
7.3 Test Reports.....	75
8.SCREEN SHOTS.....	93
9.USER MANUAL.....	119
9.1 Software Interfaces.....	119
9.2 User classes and characteristics.....	119
9.3 Design and implementation constraints.....	119
9.4 Functional Requirements.....	120
10. CONCLUSION.....	124
11. FUTURE ENHANCEMENT.....	126
12. BIBLIOGRAPHY.....	128

CHAPTER-1

SYNOPSIS

1. PROJECT SYNOPSIS

1.1 Title of the Project

Online Auction Platform

1.2 Objective of the Project

Online Auction is the website application in where participant can bid for the products. In 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 setup their products for auctions and bidders to register and bid for various products available for bidding.

1.3 Project Category

Web application (Research/Education related)

1.4 Language(s) to be used

HTML, CSS, Java Script, AJAX, Bootstrap, PHP, SQL

1.5 HARDWARE AND SOFTWARE REQUIREMENTS

1.5.1 HARDWARE REQUIREMENTS

- Processor - Intel Pentium IV
- Processor Speed – 1.40 GHz
- RAM – 2 GB or above.
- Monitor resolution - A colour monitor with minimum resolution of 1000*700

1.5.2 SOFTWARE REQUIREMENTS

- IDE : AdobeDreamweaverCS6.0
- Front-end: PHP 5.2
- Back-end: MySQL Server 5.1.1

1.6 LANGUAGES TO BE USED

1.6.1 FRONT END

HTML, CSS, BOOTSTRAP

1.6.2 BACK END

PHP, MYSQL

1.7 STRUCTURE OF THE PROGRAM

1.7.1 ANALYSIS: An efficient code will be implemented which will support majority of the browsers and their resolution constraints. It will be ensured to consume less time for its execution. The code will be well structured with easy to understand format and separate file for both front end and back end codes.

1.7.2 MODULE DESCRIPTION

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

- **CUSTOMER MODULE:** In the customer module customer can view his own bidding details, Purchase report, auction winning report, etc.
- **PRODUCT LIST MODULE:** This collects information like product name, product detail, product image, Start bid, Sale price, Bidding start date and end date.
- **CATEGORY MODULE:** Before uploading product Customer should select category details. In the website product displays under the category list.
- **SEARCH MODULE:** In this module customer can search for particular products.
- **BIDDING MODULE:** In the bidding module customer can bid for products Customer can select any item and they can bid for the product.
- **PURCHASE MODULE:** This module is for winning bids where customer can pay for winning bids. After the payment seller needs to deliver the product to customer.
- **CHAT MODULE:** If the customer has any queries regarding product they can directly contact with sellers. 24x7 online chat features available. If the seller is offline then the message stores under seller message box.
- **REPORT MODULE:** This module is for administrator to check sales report, product report, auction report, payment report, etc.

- **DASHBOARD MODULE:** This dashboard module is for administrator and employees. Admin has full authority of the website and employee has limited authority.
- **SETTINGS MODULE:** Here administrator can add employees, categories, website settings, etc.

1.7.3 DATA STRUCTURES

All the data related to student and guide will be stored in a well-structured manner using MySQL database. The research papers will also be stored as a file.

1.8 LIMITATIONS

The research papers have privacy issues related to it. So a higher level of security must be ensured to the system.

1.9 FUTURE SCOPE

- In future we can integrate this web application with mobile apps.
- We can add gaming bid features in future.
- Currently this system supports India rupee currency. In future upgradation we can add multiple currencies.
- We can Add bidding system for Agriculture produces which helps farmers to sell for best auction price.
- We can add GPS features where buyer can track seller location

CHAPTER-2
SOFTWARE REQUIREMENTS
SPECIFICATIONS

2. SOFTWARE REQUIREMENTS SPECIFICATION

2.1 Introduction:

A **software requirements specification** (SRS) is a description of a software system to be developed, laying out functional and non-functional requirements, and may include a set of use cases that describe interactions the users will have with the software.

A basic purpose of the SRS is to bridge this communication gap between client and the developer so they have a shared vision of the software being built. An SRS establishes the basis for agreement between the client and the supplier on what the software product will do. SRS provides a reference for validation of the final product. A high-quality SRS is a prerequisite to high-quality software and also reduces the development cost.

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose, scope, definitions, acronyms, abbreviations, references and overview of the SRS. The aim of this document is to gather and analyze and give an in-depth insight of the complete “Online Auction” by defining the problem statement in detail. The detailed requirements of “Online Auction” are provided in this document.

2.2 Purpose:

This Document includes software requirements for the “Online Auction” Project. The purpose of this document is to detail the user requirements for all the functionality in “Online Auction”. This document is meant to serve as a guide to the developers and users. The purpose of the requirement document is to specify and provide all the information required to design, develop and test the system. This document ensures that the person reading the document understands what she/he is looking for.

Online Auction is the website application in where participants can bid for the products. In 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.

2.2.1 Scope:

This project has following features and scopes:

- This auction website works online. The bidder and seller can participate in auction from anywhere at any time through online auction.

- Those who wish to take part in bidding or sell products at the site have to register at the site as customer. Only authenticated customers can take part in selling or in bidding.
- Customer can see the profile of the bidding history of items which are still open. Similarly the seller can see the progress of bidding.
- Auction winners and losers get an Email notification whether they won or lost the bid.

2.2.2 Definitions, Acronyms and Abbreviations:

- **SRS:** Software Requirements System
- **OS:** Operating System
- **PHP:** PHP: Hypertext Pre-processor
- **PC:** Personal Computer
- **MB:** Mega Bytes
- **RAM:** Random Access Memory
- **MySQL:** MySQL database Server

2.2.3 References:

- www.w3schools.com
- www.tutorialspoint.com
- www.stackoverflow.com
- Web Database Applications with PHP and MySQL By Hugh E. Williams, David Lane
- An integrated approach to Software Engineering By Pankaj Jalote

2.2.4 Overview:

This SRS will allow for a complete understanding of what is to be expected of the “Online Auction” web application to be constructed. The clear understanding of the “Online Auction” System and its functionality will allow for end users and will be used for the development of the future stages of the project.

2.3 Overall description:

This section of the SRS describes all general factors of the product and its requirements. This SRS explains detailed requirements of Online Auction website application.

2.4 Product Perspective:

Current developing project is the web application project developing using PHP. This system is developed using PHP and all the record stores in the MySQL database.

2.5 Product Features:

This product has following features:

- Administrator or Customers of the site can login and add auction items so user can search and view details of auction items with images, product title and auction date / time.
- No registration required to view Auction product information.
- There are 2 types of users in this system: Customer and Employees. Admin and staff are the sub users comes under employee.
- Administrator can view all features of the website.

2.6 User classes and characteristics:

There are 2 types of users using for this system.

- **Customer:**

The Public user can view all the website features. The customer or seller need to create a account to participate in the auction website. The customer needs to login to the system for bidding.

- **Employee:**

Employees are the website owners who manages complete website. There are two main users under the employee i.e; admin and employee. Admin has full authority of the website and employee has limited authority.

2.7 Design and implementation constraints:

The developed system should run under any platform (Unix, Linux, Mac, Windows etc.) that contains a web browser which supports PHP, JavaScript and AJAX.

- Internet connectivity is required to send mails.
- The user who is accessing the system should be authorized.
- MySQL database is the backend of the system.
- The system needs following tables under online auction database.
- Billing
- Bidding
- Category
- Customer
- Employee
- Message
- Payment
- Product
- winners

2.8 Assumptions and Dependencies:

- The users should have basic knowledge of the computers. They must be trained well to handle the features provided by this system.
- Some of the details are required to be entered by the user and may not be generated automatically.
- Administrator is created in the system already.
- Roles and tasks are predefined.

2.9 Specific requirements:

2.9.1 External Interface Requirements:

This chapter is an outline of the inputs and outputs of the project.

2.9.2 User Interfaces:

Each part of the user interface intends to be as user friendly as possible. The fonts and buttons used will be intended to be very fast and easy to load on web pages. The pages will be kept light in space so that it won't take a long time for the page to load.

2.10 Hardware Interfaces:

- **Operating System:** Unix, Linux, Mac, Windows etc.
- **Processor:** Pentium or Higher.
- **RAM:** 312MB or Higher.14" monitor
- Keyboard and mouse

2.11 Software Interfaces:

- **Development tool:** PHP : Hypertext Pre-processor, JavaScript, Ajax
- **Scripting server:** Apache server
- **Data Base server:** MySQL
- **IDE:** Adobe Dreamweaver CS 6.0 / Notepad++

2.12 Communication Interfaces:

Internet connection must required.

2.13 Functional Requirements:

2.13.1 Login/Registration module:

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

This module has following sub modules:

- Login module
- Registration module

2.13.2 Customer account module:

In the customer account module customer can view his own bidding details, Purchase report, auction winning report, etc. Even the customer can change his password and he can update the password in the account section.

This module has following sub modules:

- Customer account
- Customer profile
- Change password
- Update profile
- View bidding details
- View auction records

2.13.3 Product list module:

This module allows sellers to add auction products. This collects information like product name, product category, product detail, product image, Start bid, Sale price, Bidding start date and end date from seller.

This module has following sub modules:

- Add product
- Product list module
- Update product

2.13.4 Category module:

Before uploading product Customer should select category details. In the website product displays under the category list. Only administrator can add category records.

This module has following sub modules:

- Add category
- View category

2.13.5 Search module:

In this module customer can search for particular products. After searching the system display records in the search list.

This module has following sub modules:

- Search product list
- View product list

2.13.6 Bidding Module:

In the bidding module customer can bid for products. Customer can select any item and they can bid for the product.

This module has following sub modules:

Product Bidding module

- View bidders
- View bidding records

2.13.7 Purchase module:

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

This module has following sub modules:

- Purchase product
- View purchase detail

2.13.8 Chat module:

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

This module has following sub modules:

- Compose message
- View sent messages
- View Received messages

2.13.9 Report module:

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

This has following sub modules

- View customers
- View messages
- View bidding items
- View winners list

2.13.10 Dashboard module:

This dashboard module is for administrator and employees. Admin has full authority of the website and employee has limited authority.

This module has following sub modules:

- View dashboard
- View profile
- Update profile
- Change password

2.13.11 Settings module:

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

- Add employees
- View employees
- Add category
- View category

2.14 Document conventions:

The format of this SRS is simple. Bold face and indentation is used on general topics and or specific points of interest. The remainder of the document will be written using the standard font New Times Roman.

2.15 Intended users and Reading suggestions:

This document is intended for software developers, document writers and for general discussions on the implementation decisions regarding the software.

2.16 System features:

The coding is done with following characteristics in mind:

- Ease of design to code translation
- Code efficiency
- Memory efficiency
- Response time
- Maintainability
- Security

- Simple ease to understand code
- Efficient and consistent logic

2.17 Other non-functional Requirements:

2.17.1 Performance Requirements:

Performance requirements define acceptable response times for system functionality.

- The system is supposed to be having good memory space and RAM should be Above 256 MB preferably.
- The sound card and graphics card will have to be of good quality and capacity.
- The load time for user interface screens shall take no longer than three seconds.
- The log in information shall be verified within three seconds.
- Queries shall return results within three seconds.

2.17.2 Safety Requirements:

- In case if the customer forget their password, they can recover the password in the Forgot Password panel.
- The password stores in the database in the format of encrypted password.

2.17.3 Security Requirements:

- Only authenticated users can access this system.
- Employee and Customer has different interface to increase the security.

2.17.4 Software quality attributes:

- **Reliability:** This system is designed to have very simple database just to cater the exact need of “Online Auction”. It is tested for all the constraints at development stage.
- **Availability:** This system will only available till the system on which it is installed is running.
- **Security:** This system is provided with authentication without which no user can pass. So only the legitimate users are allowed to use the application. If the legitimate users share the authentication information then the system is open to outsiders.

- **Maintainability:** There is maintenance required for the website. The database is provided by the Administrator as well as the end-use.
- **Portability:** The system works anywhere with the internet connection.

CHAPTER-3

SYSTEM DESIGN

3. SYSTEM DESIGN

3.1 Introduction

Design is processes through which requirements are translated into a representation of the software .The purpose of the designing phase is to plan a solution for the problem specified by the requirement document i.e. the requirement are translated into software. The design activities often result in three separate outputs:

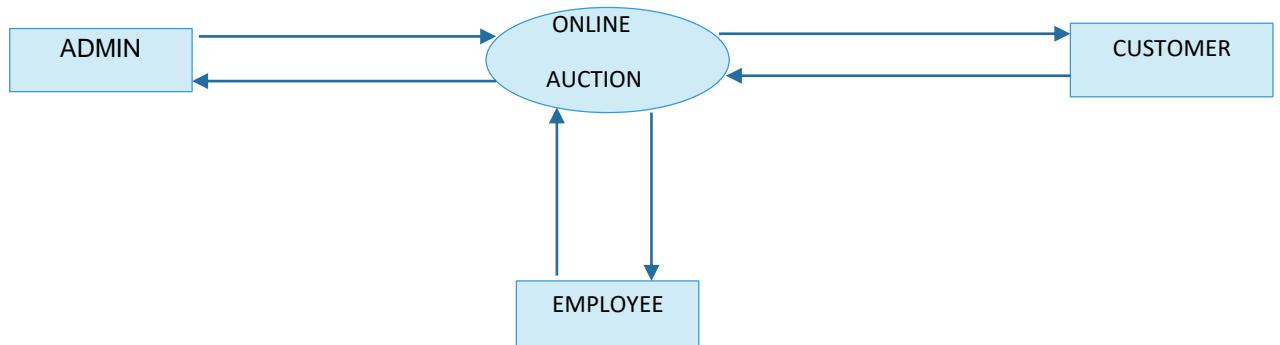
1. Architecture Design
2. High Level Design
3. Detailed Design

System Design is a solution a “How to “approach to the creation of a new system. The importance phase is composed of several steps. It provides the understanding of procedural detail necessary for the system recommended in the feasibility study. Emphasis is on translating the performance requirement into design specification

3.2 System Context Diagram

The System Context Diagram or Context Flow Diagram (CFD) describes the external entities acting on the system. The environment in which the system is used is depicted in the figure.

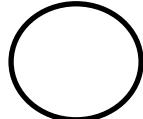
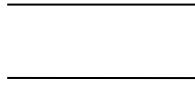
Context Flow Diagram (CFD)



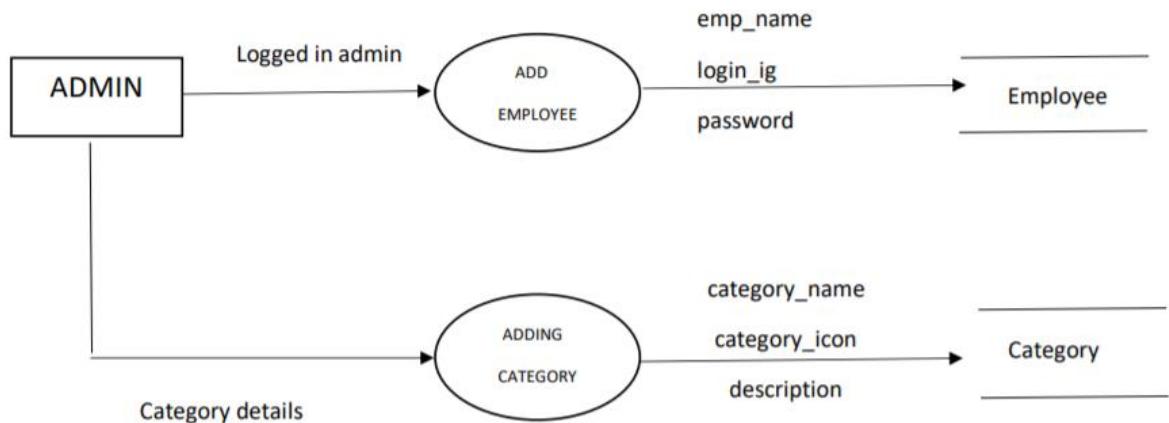
3.3 Data Flow Diagram

A Data Flow Diagram (DFD) is a graphical representation of the “flow” of the data through an information System. A DFD also can be used for the visualization of data processing. It is common practice for design to draw a context level DFD first which shows the interaction between the system and outside entities. This context-level DFD is then “exploded” to show more detail of the system being modelled.

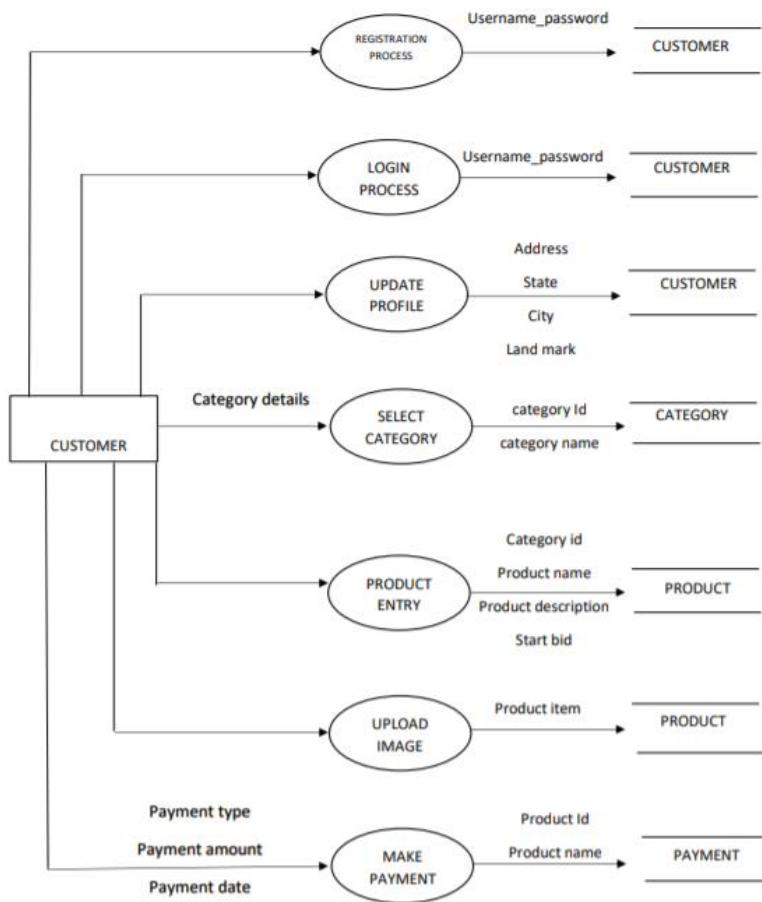
The DFD uses four symbols, and explained below:

A SQUARE 	Which defines the source or destination of system data also called an external entity, is not responsible for any task performed by the System.
An ARROW 	Represents data flow. It represents the path over which data travels in the system. A data can move between processes, flow into or out of the stores to and from external entities. It must be given a name the arrow head showing the direction of flow
CIRCLE 	Represents a process that transforms data from one to another by performing some tasks with the data. The process name must be given a general idea of its function
HORIZONTAL PARALLEL LINES 	Represents data store, a data store is placed where data is held temporarily from one transaction to the next or is permanently. Data Flow Diagram describes what data flow (logical) rather than how they are processed, so it does not depend on hardware, software, data structure or file organization

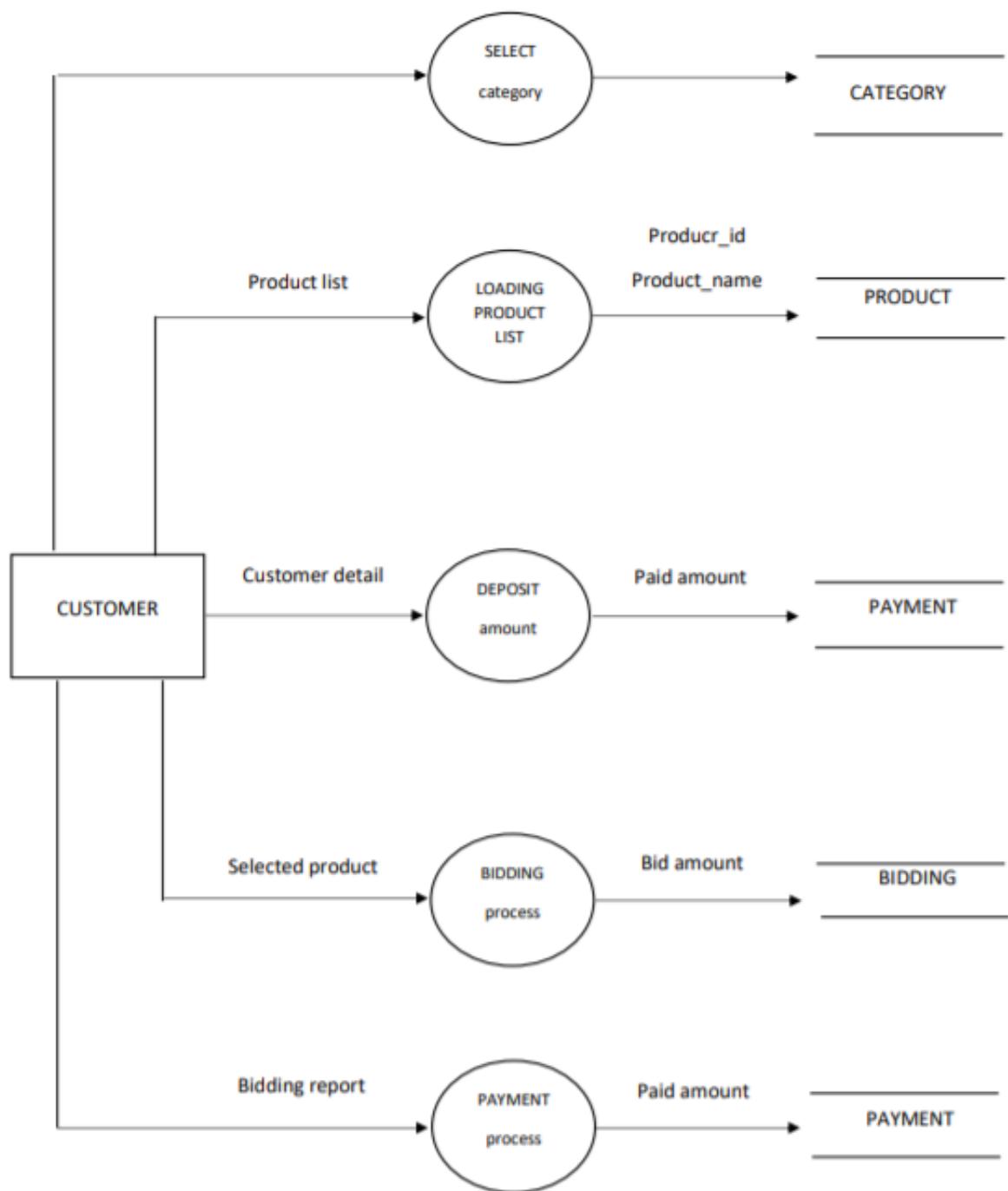
3.3.1 DFD for Level 1 Admin:



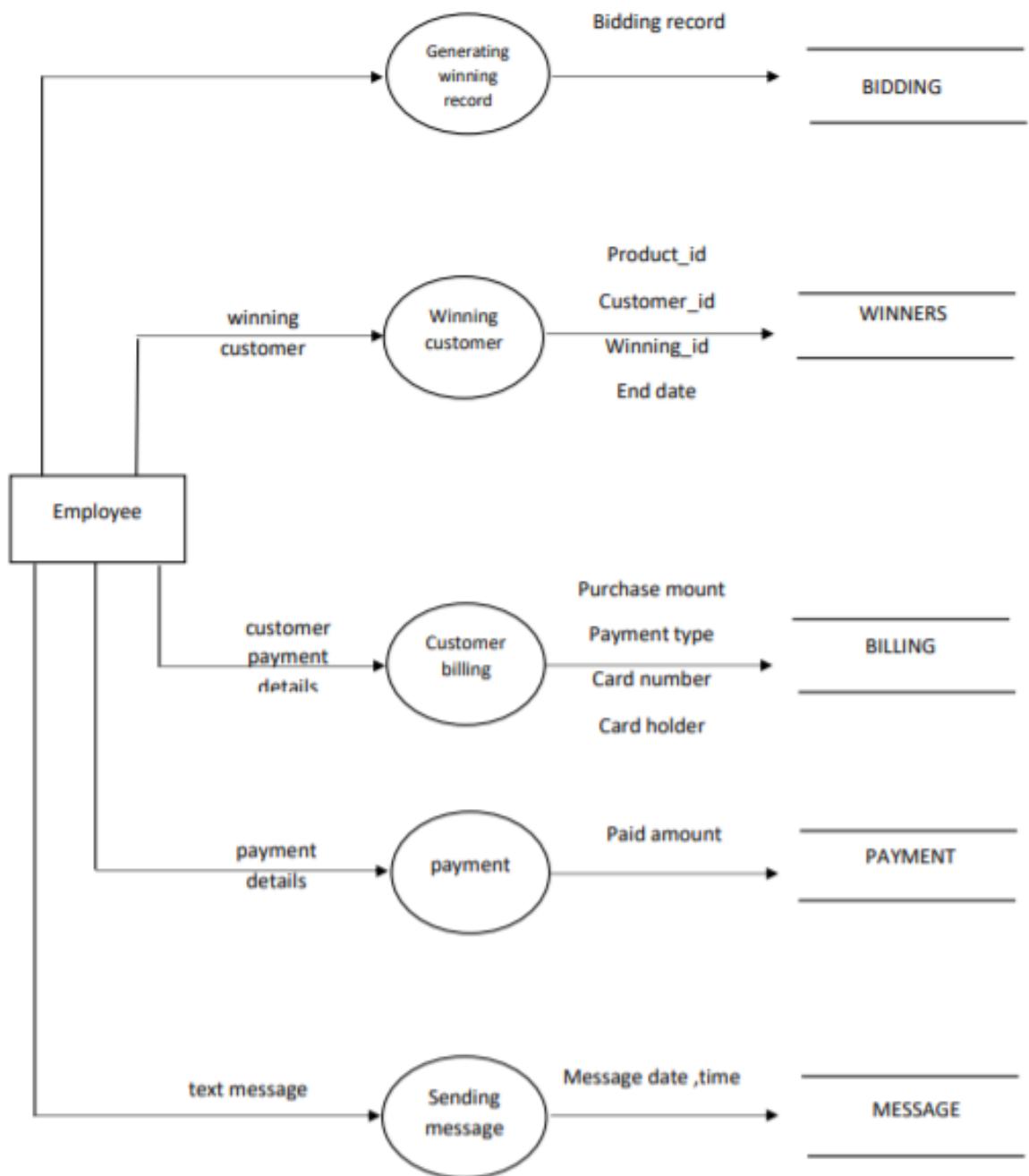
3.3.2 DFD for Level 1 Customer:



3.3.3 DFD for Level 2 Customer:



3.3.4 DFD for Level 1 Employee:



CHAPTER-4

DATABASE DESIGN

4.DATABASE DESIGN

4.1 INTRODUCTION

The description of the database is called the database scheme. A database scheme is specified during database creation and is not accepted to change frequently. Most data model has certain conversations for diagrammatically

4.1.1. Internal level

displaying scheme. The scheme diagram displays only some aspects of scheme, such aspects are not specified in the scheme diagram that is neither the data type of each data item that change frequently.

The data in the database is particular moment in timer is called a database state.

Schema can be defined in the following three levels.

The internal Level has an internal schema. It describes the physical storage structure of the database. The internal schema uses a particular data model and describes the complete details of the data storage and access paths of the database.

4.1.2. Conceptual level

The conceptual level has conceptual schema, which describes the structure of whole database for a community of users. The conceptual schema hides the details of the physical storage structure and concentrates on describing entities, datatypes relationship user operation and constraints. A high-level data model or an implementation data model can be used in this model.

4.1.3. External level

External level or view includes a number of external schema or view. Each internal schema describes the part interested in and hides the rest of the database from the user group. A high level data model or an implementation model can be used at this level.

4.2. WHAT IS DATABASE?

A database is an organized collection of data. It is the collection of schemas tables, queries, reports, views, and other objects. The data are typically organized to model aspects of reality in a way that supports processes requiring information. Which can be of any size and complexity. By using the concept of database, we can easily store and retrieve the data. The major purpose of the database is to provide the information, which utilizes data that the system needs according to its own requirements.

4.3. DATABASE DESIGN

Database design is the process of producing a detailed data model of database. This data model contains all the needed logical and physical design choices and physical storage parameters needed to generate a design in a data definition language, which can then be used to create a database. A fully attributed data model contains detailed attributes for each entity.

The term database design can be used to describe many different parts of the design of an overall database system. Principally, and most correctly, it can be thought of as the logical design of the base data structures used to store the data. In the relational model, these are the tables and views. In an object database, the entities and relationships map directly to object classes and named relationships. However, the term database design could also be used to apply to the overall process of designing, not just the base data structures, but also the forms and queries used as part of the overall database application within the database management system (DBMS).

To retrieve data from the database;

- The application program determine what data is needed and communication the need to the DBMS.
- The data must be defined in the sub schema.
- The copy of the data is given to the operating system for processing.
- A database, must be created before it can be used.

4.4. TABLE STRUCTURE

4.4.1 Table structure for table bidding

Column	Type	Null
<i>bidding_id</i>	int(10)	No
customer_id	int(10)	No
product_id	int(10)	No
bidding_amount	float(10,2)	No
bidding_date_time	Datetime	No
note	Text	No
status	varchar(10)	No

4.4.2. Table structure for table billing

Column	Type	Null
<i>billing_id</i>	int(10)	No
customer_id	int(10)	No
product_id	int(10)	No
purchase_date	date	No
purchase_amount	float(10,2)	No
payment_type	varchar(20)	No
card_type	varchar(50)	No
card_number	varchar(20)	No
expire_date	date	No
cvv_number	varchar(5)	No
card_holder	varchar(50)	No
delivery_date	date	No
note	text	No
status	varchar(10)	No

4.4.3. Table structure for table category

Column	Type	Null
<i>category_id</i>	int(10)	No
category_name	varchar(50)	No
category_icon	varchar(100)	No
description	text	No
status	varchar(10)	No

4.4.4.Table structure for table customer

Column	Type	Null
<i>customer_id</i>	int(10)	No
customer_name	varchar(50)	No
email_id	varchar(50)	No
password	varchar(100)	No
address	text	No
state	varchar(25)	No
city	varchar(25)	No
landmark	varchar(50)	No
pincode	varchar(6)	No
mobile_no	varchar(15)	No
note	text	No
status	varchar(10)	No

4.4.5Table structure for table employee

Column	Type	Null
<i>employee_id</i>	int(10)	No
employee_name	varchar(50)	No
login_id	varchar(50)	No
password	varchar(100)	No
employee_type	varchar(50)	No
status	varchar(15)	No

4.4.6Table structure for table message

Column	Type	Null
<i>message_id</i>	int(10)	No
sender_id	int(10)	No
receiver_id	int(10)	No
message_date_time	datetime	No
product_id	int(10)	No
message	text	No
status	varchar(10)	No

4.4.7Table structure for table payment

Column	Type	Null
<i>payment_id</i>	int(10)	No
customer_id	int(10)	No
payment_type	varchar(50)	No
product_id	int(10)	No
bidding_id	int(10)	No
paid_amount	float(10,2)	No
paid_date	date	No
status	varchar(10)	No

4.4.8Table structure for table product

Column	Type	Null
<i>product_id</i>	int(10)	No
customer_id	int(10)	No
product_name	varchar(50)	No
category_id	int(10)	No
product_description	text	No
starting_bid	float(10,2)	No
ending_bid	float(10,2)	No
start_date_time	datetime	No
end_date_time	datetime	No
product_cost	float(10,2)	No
product_image	varchar(100)	No
product_warranty	varchar(100)	No
product_delivery	text	No
company_name	varchar(100)	No
status	varchar(10)	No

4.4.9 Table structure for table winners

Column	Type	Null
<i>winner_id</i>	int(10)	No
product_id	int(10)	No
customer_id	int(10)	No
winners_image	varchar(100)	No
winning_bid	float(10,2)	No
end_date	date	No
status	varchar(10)	No

4.5 ENTITY RELATIONSHIP DIAGRAM

Entity relationship diagram is used in modern database software. Software engineering is to illustrate logical structure of database. It is a relational schema database, modelling method, used to model a system and approach. This approach is commonly used in database design. The diagram created using this are called entity relationship diagram.

The ER diagram depicts the various relationship among entities, considering each object as an entity. Relationship depicts the relationship between data objects. The ERD is the notation that is used to conduct the data modeling activity.

Entity

Entity is a thing, which we want to store information. It is an elementary basic building block of storing information about business process. An entity represents an object desired within the information system abut which u want to store information.

Relationship

A relationship is a named connection, associated between entities, or used to relate two or more entities with some common attributes or meaningful interaction between the object.

Attributes

Attributes are the properties of entities and relationship. Description of the entity. Attributes are elementary pieces of information attached to an entity.

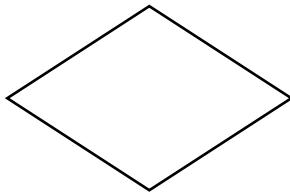
Link

Lines link attributes to entity set and entity sets to relation.

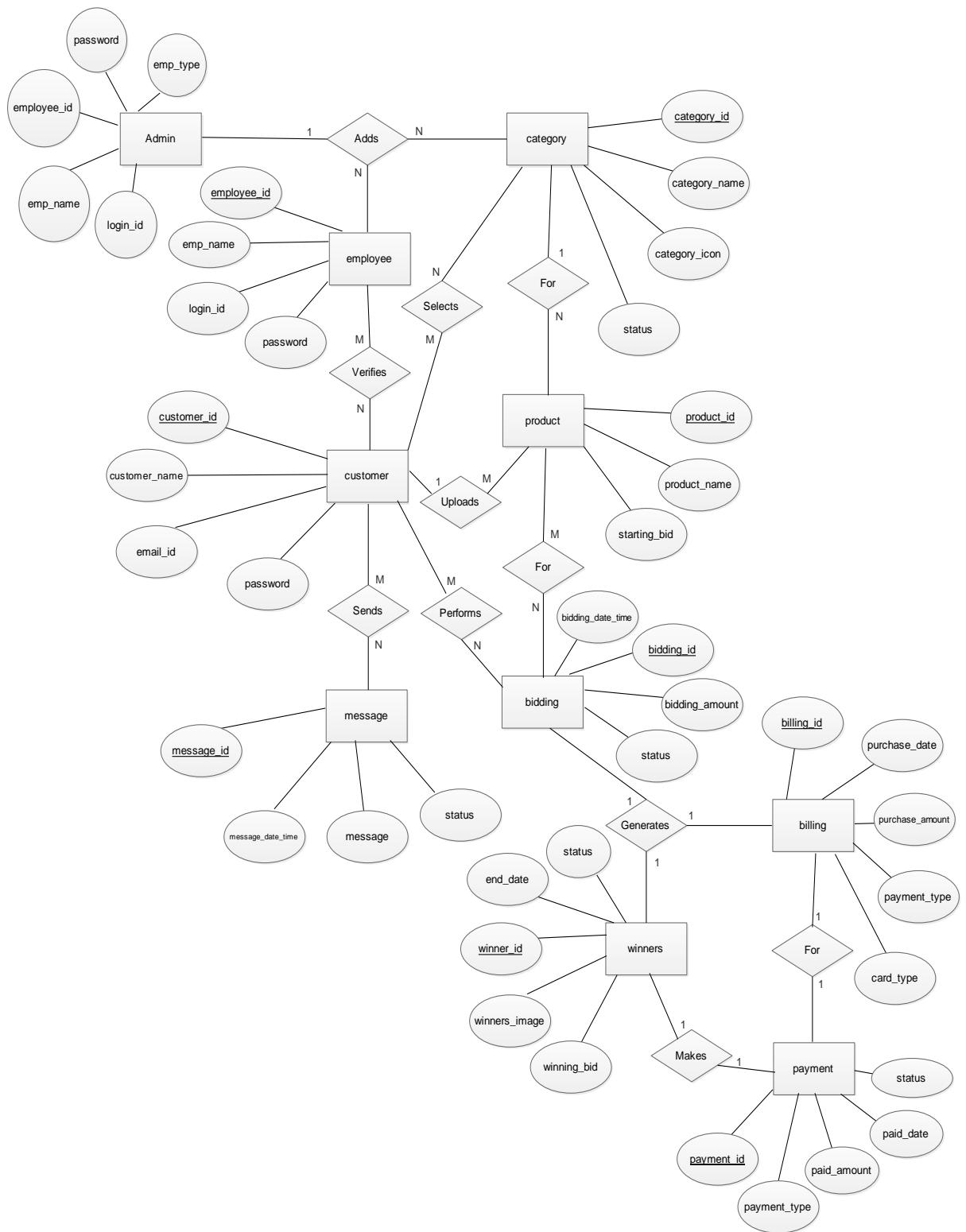
Cardinality Ratio

It specifies the maximum number of relationships instances that an entity can participate in. There are four cardinality ratios.

ER- Diagram Symbols:

Name	Notation	Description
Entity		It may be an object with the physical existence or conceptual existence. It is represented by a rectangle.
Attribute		The properties of the entity. Can be attribute. It is represented by a Ellipse.
Relationship		Whenever an attribute of one entity refers to another entity, some relationship exists. It is represented by a Diamond
Link		Lines link attributes to entity set and entity sets to relation
Cardinality Ratio	1:1 1:N N:1 M:1	It specifies the maximum number of relationships instances that an entity can participate in. There are four cardinality ratios.

4.5.1 ER Diagram



CHAPTER-5

DETAILED DESIGN

5.DETAILED DESIGN

5.1. Introduction:

The purpose of preparing this document is to explain complete design details of Online Auction.

This detailed design report will mainly contain the general definition and features of the project, design constraints, the overall system architecture and data architecture. Additionally, a brief explanation about our current progress and schedule of the project will be provided in related sections. Design of the system and subsystems/modules will be explained both verbally and visually by means of diagrams in order to help the programmer to understand all information stated in this document correctly and easily.

5.2. Applicable documents:

The documents used during detailed design are

- System Requirements Document
- System Design
- Database Design

5.3. Structure of the software package:

The Components are –

5.3.1. Login/Registration module:

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

5.3.2. Customer account module:

In the customer account module customer can view his own bidding details, Purchase report, auction winning report, etc. Even the customer can change his password and he can update the password in the account section.

5.3.3. Product list module:

This module allows sellers to add auction products. This collects information like product name, product category, product detail, product image, Start bid, Sale price, Bidding start date and end date from seller.

5.3.4. Category module:

Before uploading product Customer should select category details. In the website product displays under the category list. Only administrator can add category records.

5.3.5. Search module:

In this module customer can search for particular products. After searching the system display records in the search list.

5.3.6. Bidding Module:

In the bidding module customer can bid for products. Customer can select any item and they can bid for the product.

5.3.7. Purchase module:

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

5.3.8. Chat module:

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

5.3.9. Report module:

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

5.3.10. Dashboard module:

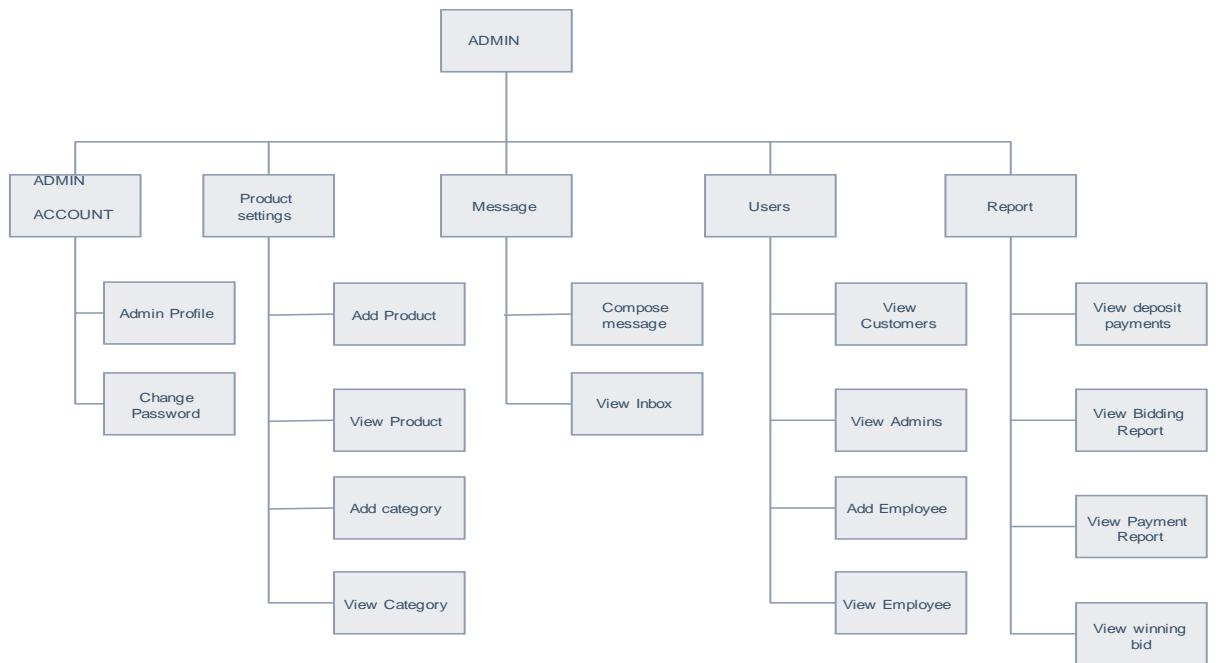
This dashboard module is for administrator and employees. Admin has full authority of the website and employee has limited authority.

This module has following sub modules:

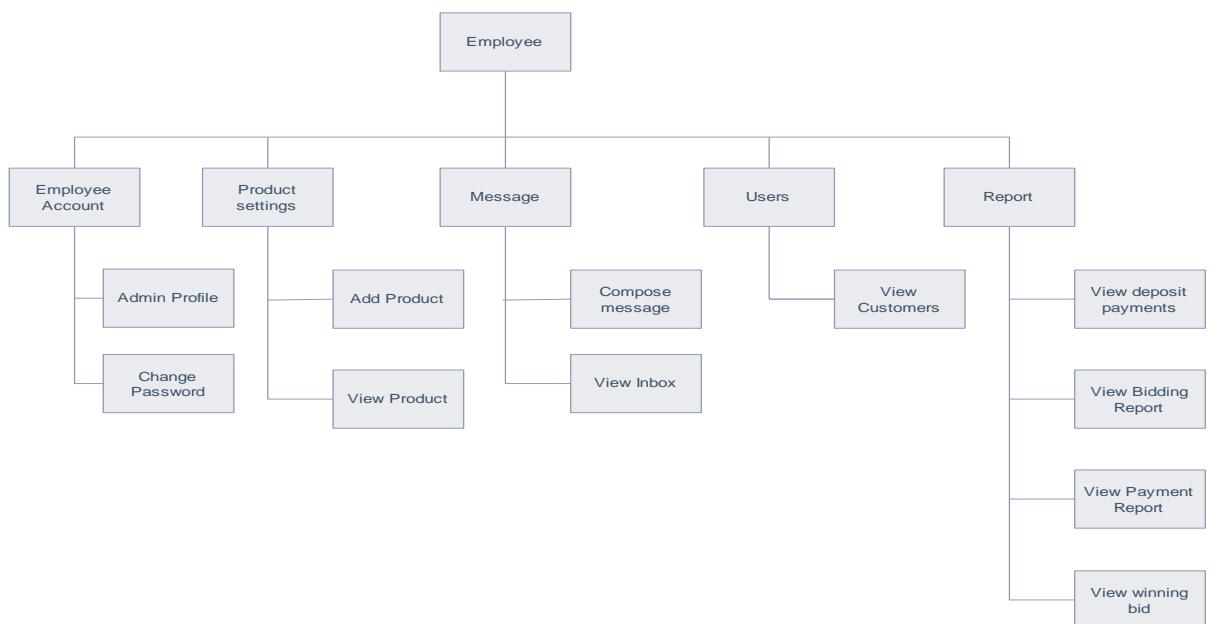
5.3.11. Settings module:

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

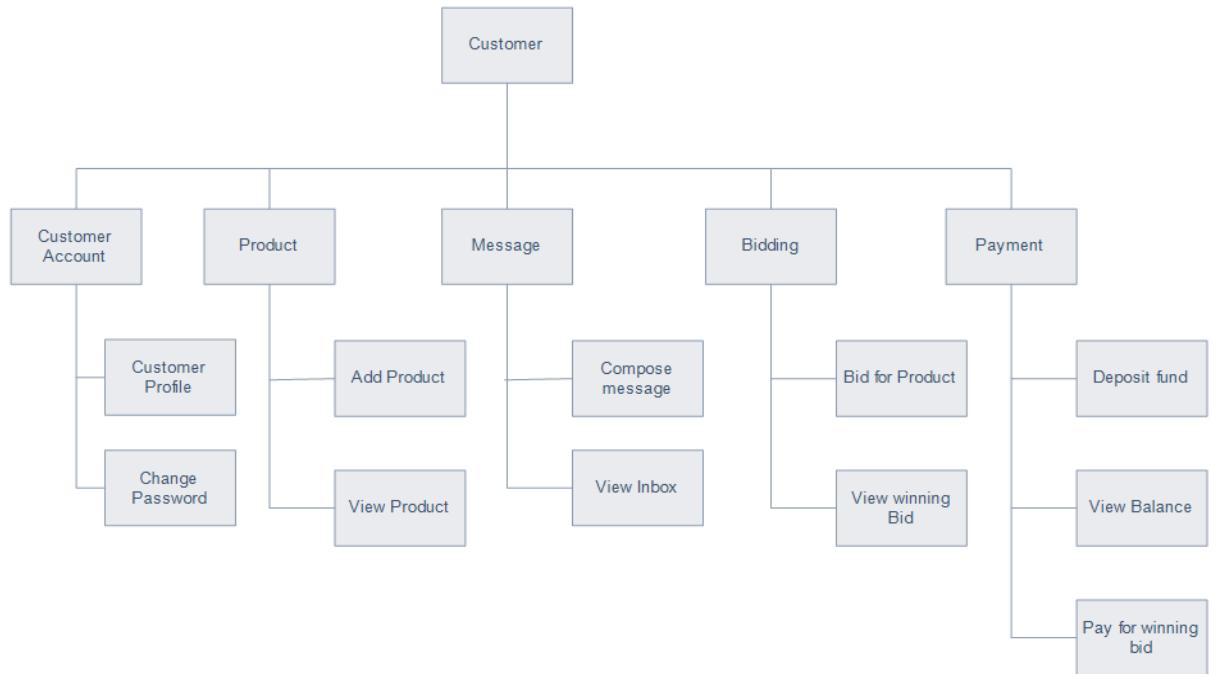
5.4. STRUCTURE CHART OF ADMIN



5.5. STRUCTURE CHART OF Employee

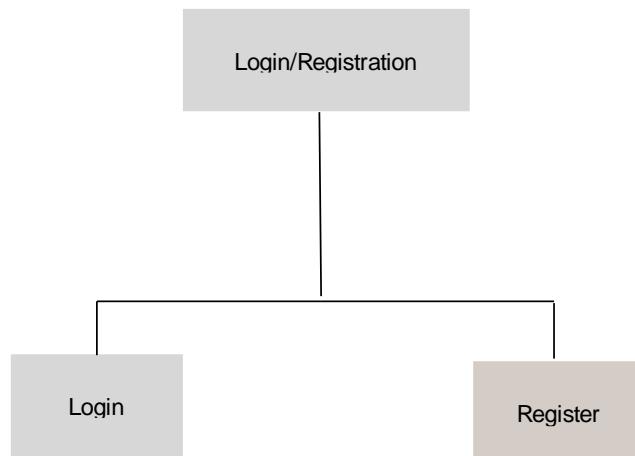


5.6 STRUCTURE CHART OF Customer



5.7 Modular Decomposition Of Components:

5.7.1 Structure chart for Login/Registration:



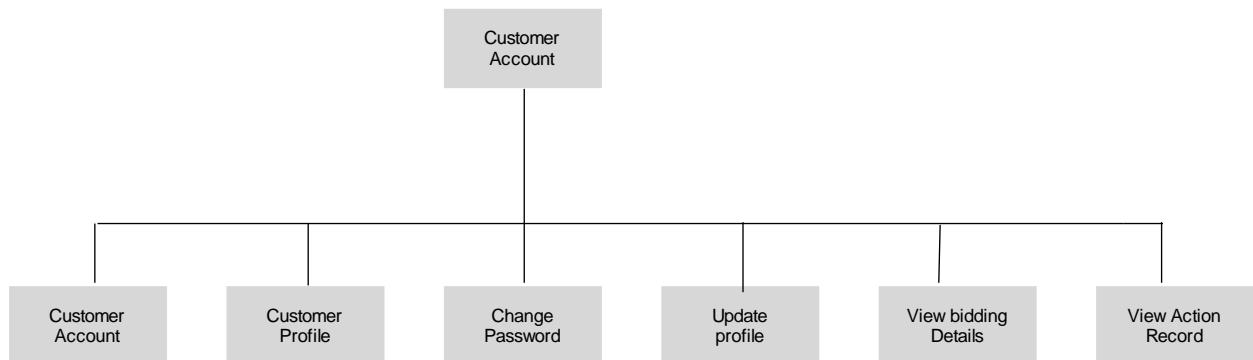
5.8 Customer Account Component:

5.8.1. Identification Of Modules :

The modules identified in this component are:

- Customer account
- Customer profile
- Change password
- Update profile
- View bidding details
- View auction records

5.8.2. Structure chart for Customer Account:



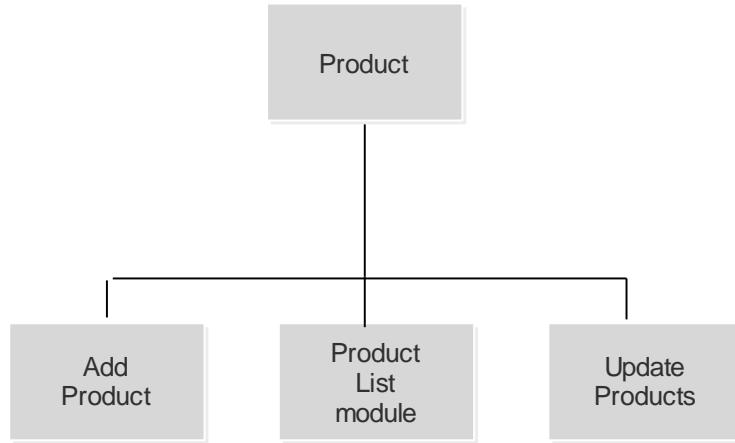
5.9 Product list Component:

5.9.1. Identification Of Modules :

The modules identified in this component are:

- Add product
- Product list module
- Update product

5.9.2. Structure chart for Product list:



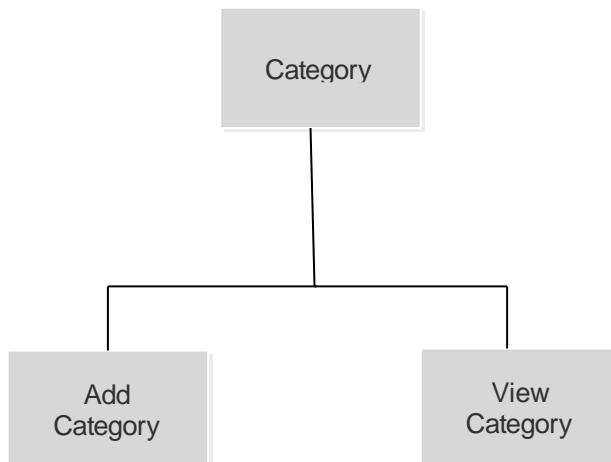
5.10. Category Component:

5.10.1. Identification Of Modules :

The modules identified in this component are:

- Add category
- View category

5.10.2. Structure chart for Category:



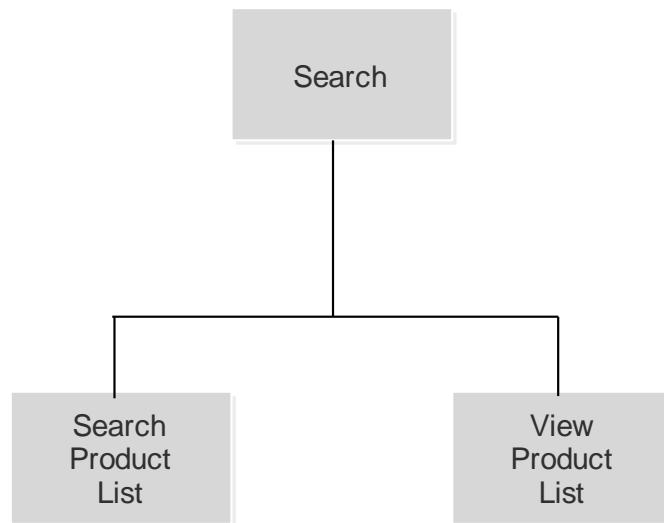
5.11. Search Component:

5.11.1. Identification Of Modules:

The modules identified in this component are:

- Search product list
- View product list

5.11.2. Structure chart for Search:



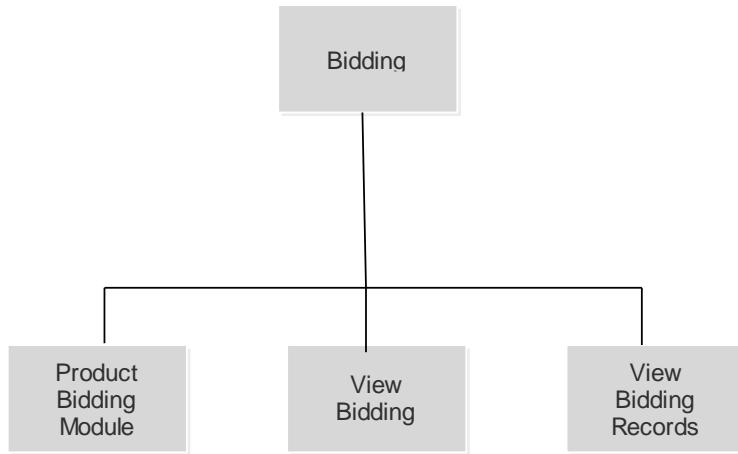
5.12. Bidding Component:

5.12.1. Identification Of Modules:

The modules identified in this component are:

- Product Bidding module
- View bidders
- View bidding records

5.12.2. Structure chart for Bidding:



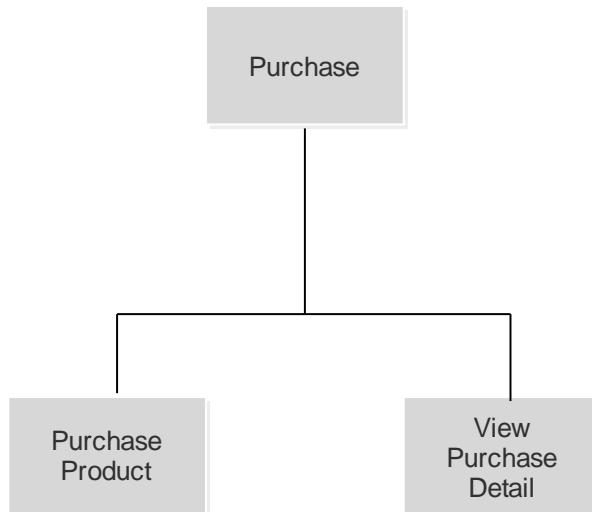
5.13. Purchase Component:

5.13.1. Identification Of Modules :

The modules identified in this component are:

- Purchase product
- View purchase detail

5.13.2. Structure chart for Purchase:



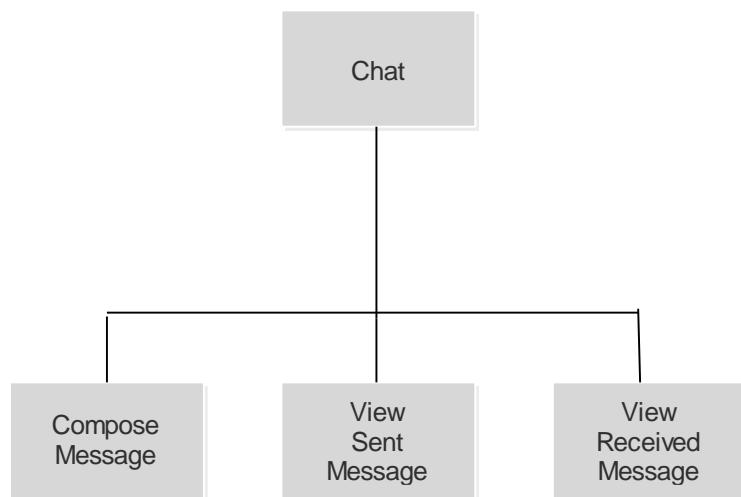
5.14 Chat Component:

5.14.1. Identification Of Modules :

The modules identified in this component are:

- Compose message
- View sent messages
- View Received messages

5.14.2. Structure chart for Chat:



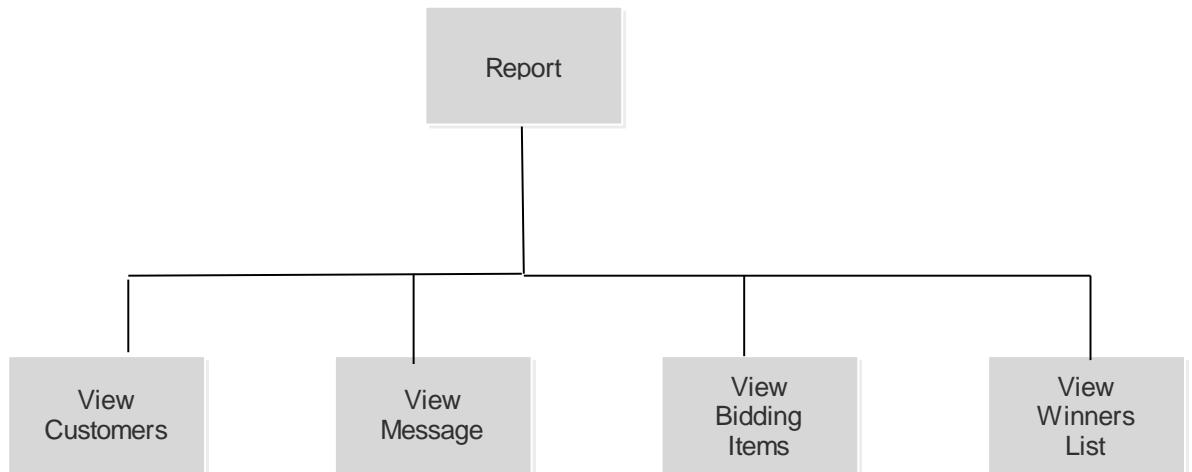
5.15. Report Component:

5.15.1. Identification Of Modules:

The modules identified in this component are:

- View customers
- View messages
- View bidding items
- View winners list

5.15.2. Structure chart for Report:



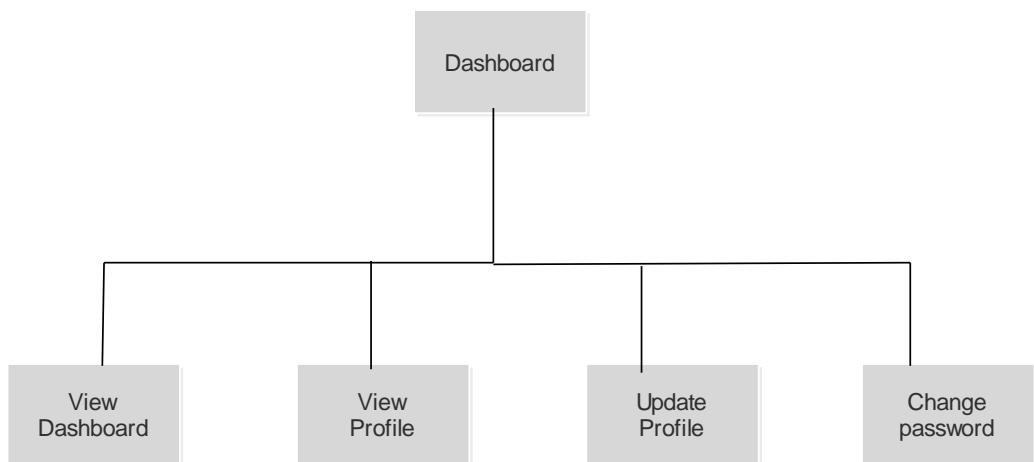
5.16. Dashboard Component:

5.16.1. Identification Of Modules :

The modules identified in this component are:

- View dashboard
- View profile
- Update profile
- Change password

5.16.2. Structure chart for Dashboard:



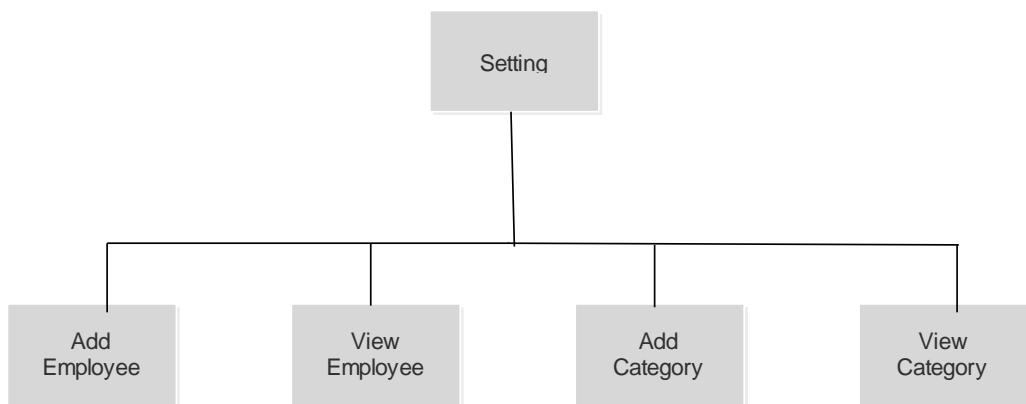
5.17. Settings Component:

5.17.1. Identification Of Modules :

The modules identified in this component are:

- Add employees
- View employees
- Add category
- View category

5.17.2. Structure chart for Settings:



CHAPTER-6

CODING

6.CODING

6.1 Introduction:

The goal of coding or programming phase is to translate the system design, produced during the designing phase, into code in a given programming language which can be executed by a computer and that performs the computation specified by the design. During the implementation, it should be kept in mind that the programs should not be constructed so that they are easy to write, but that they are easy to read and understand.

6.2 Programming practices:

6.2.1 Top-down & Bottom-up approaches:

In a top-down implementation, the implementation starts from the top of the hierarchy and proceeds to the lower levels. First the main module is implemented, and their subordinates, and so on. In a bottom-up implementation, the process is the reverse. The development starts with implementing the modules at the bottom of the hierarchy and proceeds through the higher levels until it reaches the top.

Top-down and bottom-up implementation should not be confused with top-down and bottom-up design, here the design is being implemented, and if the design is fair detailed and complete, its implementation can proceed in either the top-down manner.

6.2.2 Structured Programming:

The basic objective of the coding activity is to produce programs are easy to understand. A program has a static structure as well as a dynamic structure. The static structure is the structure of the text of the program, which is usually just a line organization of statements of the program. The dynamic structure of the program is the sequences of statements executed during the execution of the program.

In other words both the static structure and the dynamic behavior are sequences of statements; when the sequence representing the static structure is fixed, the sequences of statements it executable can change from execution to execution.

6.2.3 Information Hiding:

A software solution to a problem always contains data structures that are meaningfully represent information in the problem domain. That is, when software is developed results a problem, the software uses some data structures to capture the information in the problem domain. Any software solution to a problem contains data structures that represent information in the problem domain. In the problem domain, in general, only certain operations are performed on some information. That

is, a piece of information in the problem domain is used only in a limited number of ways in the problem domain.

6.2.4 Programming style:

Here we will list some general rules that can be applied for writing good code.

- **Names:** Selecting module and variable names is often not considered important novice programmers. Most variable sin a program reflects some entity in the problem domain, and the modules reflect some process. Variable names should be closely related to the entity they represent, and module names should reflect their activity.
- **Control constraints:** As discussed earlier, it is desirable that as much as possible single entry, single exit constructs be used. It is also desirable to use a few standard control constructs rather than using a wide variety of constructs, just because they are available in the language.
- **Information hiding:** As discussed earlier, information hiding should be supported where possible. Only the access functions for the data structures should be made visible while hiding the data structures behind these functions.
- **User-defined types:** Modern languages allow users to define data types when such facilities are available, they should be exploited where applicable.
- **Nesting:** The different control constructs, particularly the if-then-else, can be nested.
- If the nesting becomes too deep, the programs become harder to understand. In case of deeply nested if-then-elses, it is often difficult to determine if statement to which a particular else clause is associated. If possible, deep nesting should be avoided.

6.2.5 Verification:

Verification of the output of the coding phase is primarily interested for detecting errors introduced during this phase. That is, the goal of verification of the code produced is to show that the code is consistent with the design is supposed to implement. It should be avoided out that by verification we mean providing correctness of programs. Program verification method falls into two categories- static and dynamic methods.

In dynamic methods, the program executes some test data and the outputs of the program are examined to determine if there are any errors present.

Static techniques, on the other hand, do not involve actual program execution on actual numeric data, though it may involve some form of conceptual execution:

6.2.5.1 Code Reading:

Code reading involves careful reading of the code by the programmer to detect any discrepancies between the design specifications and the actual implementation. It involves determining the abstraction of a module and then comparing it with its specifications. The process of code reading is best done by reading the code inside-out, starting with the innermost structure of the module. First determine its abstract behavior and specify the abstraction. Then the higher level structure is considered, with the inner structure replaced by its abstraction. This process is continued until we reach the module or program being read.

6.2.5.2 Static analysis:

Analysis of programs by methodically analyzing the program text is called static analysis is usually performed mechanically by the aid of software tools. During static analysis the program itself is not executed, but the program text is the input to the tools. The aim of the static analysis tools is to detect errors or potential errors or to generate information about the structure of the program that can be useful for documentation or understanding of the programs. An advantage is that static analysis sometimes detects the errors themselves, not just the presence of errors as in testing. This saves the effort of tracing the error from the data that reveals the presence of errors. Static analysis can provide insight into the structure of the program.

6.2.5.3 Symbolic execution:

Inputs to the program are not numbers but symbols representing the input data, which can take different values. The execution of the program proceeds like normal execution, except that it deals with values that are not numbers but formulae consisting of the symbolic input values. The outputs are symbolic formulae of input values. These formulae can be checked to see if the program will behave as expected. This approach is called as symbolic execution.

6.3 Coding for Register:

```
<?php  
include("header.php");  
if(isset($_POST['submit']))  
{  
$sql ="INSERT INTO  
customer(customer_name,email_id,password,mobile_no,status)
```

```

values('$_POST[customer_name]','$_POST[email_id]','$_POST[password]','$_POS
T[mobile_no]','Active');

$qsql = mysqli_query($con,$sql);

if(mysqli_affected_rows($con) == 1)

{

echo "<script>alert('Customer Registration done successfully..');</script>";

echo "<script>window.location='customerlogin.php';</script>";

}

else

{

echo "<script>alert('Failed to Register..');</script>";

echo mysqli_error($con);

}

}

?>

<!-- breadcrumb-area start -->

<div class="breadcrumb-area bg-gray">

<div class="container-fluid">

<div class="row">

<div class="col-lg-12">

<ul class="breadcrumb-list">

<li class="breadcrumb-item"><a href="index.html">Home</a></li>

<li class="breadcrumb-item active">Register </li>

</ul>

</div>

</div>

</div>

</div>

<!-- breadcrumb-area end -->

```

```

<!-- content-wraper start -->

<div class="content-wraper mt-50">
<div class="container-fluid">
<div class="row">
<div class="col-lg-3 col-md-3 col-sm-3"></div>
<div class="col-lg-6 col-md-6 col-sm-6">
<div class="customer-login-register">
<center><h3>Register</h3></center>
<div class="login-Register-info">
<form action="" method="post" onsubmit="return validatecustomer()">
<p class="coupon-input form-row-first">
<label>Name <span class="required">*</span><span class="errormsg" id="errcustomer_name"></span></label>
<input type="text" name="customer_name" id="customer_name">
</p>
<p class="coupon-input form-row-first">
<label>Email <span class="required">*</span><span class="errormsg" id="erremail_id"></span></label>
<input type="text" name="email_id" id="email_id">
</p>
<p class="coupon-input form-row-first">
<label>Mobile No. <span class="required">*</span><span class="errormsg" id="errmobile_no"></span></label>
<input type="text" name="mobile_no" id="mobile_no" value="+91" onkeypress="return isNumber(event)" >
</p>
<p class="coupon-input form-row-last">
<label>password <span class="required">*</span><span class="errormsg" id="errpassword"></span></label>
<input type="password" name="password" id="password" >

```

```
</p>

<p class="coupon-input form-row-last">
    <label>Confirm password <span class="required">*</span><span class="errormsg"
        id="errcpassword"></span></label>
    <input type="password" name="cpassword" id="cpassword">
</p>

<div class="clear"></div>

<p>
    <button value="Login" name="submit" id="submit" class="button-login"
        type="submit">Register</button>
</p>

</p>
</form>
</div>
</div>
</div>

<div class="col-lg-3 col-md-3 col-sm-3"></div>
</div>
</div>
</div>

<!-- content-wraper end -->

<!-- footer-area start -->
<?php
    include("footer.php");
?>

<script>
    function validatecustomer()
```

```

{
var numericExp = /^[0-9]+$/;
var alphaExp = /^[a-zA-Z]+$/;
var alphaSpaceExp = /^[a-zA-Z\s]+$/;
var alphaNumericExp = /^[0-9a-zA-Z]+$/;
var emailExp = /^[w\.-\.]+\@[a-zA-Z0-9\.\-]+\.[a-zA-z0-9]{2,4}\$/;
var regexpass = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])[0-9a-zA-Z]{8,}\$/;
$('.errormsg').html("");
var errchk = "False";

if(document.getElementById("customer_name").value.length > 15)
{
document.getElementById("errcustomer_name").innerHTML="Customer name not
contain less than 15 characters... ";
errchk = "True";
}

if(!document.getElementById("customer_name").value.match(alphaSpaceExp))
{
document.getElementById("errcustomer_name").innerHTML = "Kindly enter valid
Customer name..";
errchk = "True";
}

if(document.getElementById("customer_name").value == "")
{
document.getElementById("errcustomer_name").innerHTML="Customer name
should not be empty... ";
errchk = "True";
}

if(!document.getElementById("email_id").value.match(emailExp))
{

```

```

document.getElementById("erremail_id").innerHTML = "Entered Email ID is not
valid....";

errchk = "True";

}

if(document.getElementById("email_id").value == "")
{
document.getElementById("erremail_id").innerHTML="Kindly enter Email ID.";
errchk = "True";
}

if(document.getElementById("password").value.length < 8)
{
document.getElementById("errpassword").innerHTML ="Password should contain
more than 8 characters...";

errchk = "True";
}

if(document.getElementById("password").value.length > 16)
{
document.getElementById("errpassword").innerHTML ="Password should contain
less than 16 characters...";

errchk = "True";
}

if(!document.getElementById("password").value.match(regexpass))
{
document.getElementById("errpassword").innerHTML ="New password should
contain at least one digit, one lower case, one upper case and 8 characters....";

errchk = "True";
}

if(document.getElementById("password").value == "")
{

```

```
document.getElementById("errpassword").innerHTML ="New password should not  
be empty....";  
  
errchk = "True";  
  
}  
  
if(document.getElementById("cpassword").value !=  
document.getElementById("password").value )  
  
{  
  
document.getElementById("errcpassword").innerHTML ="Confirm password Must  
match with new password..";  
  
errchk = "True";  
  
}  
  
if(document.getElementById("cpassword").value == "")  
  
{  
  
document.getElementById("errcpassword").innerHTML ="Confirm Password  
should not be empty....";  
  
i=1;  
  
}  
  
if(document.getElementById("mobile_no").value.length != 13)  
  
{  
  
document.getElementById("errmobile_no").innerHTML="Mobile Number should  
contain 10 digits..";  
  
errchk = "True";  
  
}  
  
if(document.getElementById("mobile_no").value == "")  
  
{  
  
document.getElementById("errmobile_no").innerHTML="Mobile number should  
not be empty..";  
  
errchk = "True";  
  
}  
  
if(errchk == "True")  
  
{
```

```
        return false;
    }
    else
    {
        return true;
    }
}

$("#mobile_no").keydown(function(e) {
    var oldvalue=$(this).val();
    var field=this;
    setTimeout(function () {
        if(field.value.indexOf('+91') !== 0) {
            $(field).val(oldvalue);
        }
    }, 1);
});

function isNumber(evt) {
    evt = (evt) ? evt : window.event;
    var charCode = (evt.which) ? evt.which : evt.keyCode;
    if (charCode > 31 && (charCode < 48 || charCode > 57)) {
        return false;
    }
    return true;
}

</script>
```

6.4 Validation For Category:

```
function validatecustomer()
{
    var numericExp = /^[0-9]+$/;
    var alphaExp = /^[a-zA-Z]+$/;
    var alphaSpaceExp = /^[a-zA-Z\s]+$/;
    var alphaNumericExp = /^[0-9a-zA-Z]+$/;
    var emailExp = /^[w\.\.]+\@[a-zA-Z0-9\.\-]+\.[a-zA-z0-9]{2,4}\$/;
    var regexpass = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])[0-9a-zA-Z]{8,}\$/
    $('.errormsg').html("");
    var errchk = "False";

    if(document.getElementById("customer_name").value.length > 15)
    {
        document.getElementById("errcustomer_name").innerHTML="Customer
name not contain less than 15 characters...";
        errchk = "True";
    }
    if(!document.getElementById("customer_name").value.match(alphaSpaceExp))
    {
        document.getElementById("errcustomer_name").innerHTML =
        "Kindly enter valid Customer name..";
        errchk = "True";
    }
    if(document.getElementById("customer_name").value == "")
    {
        document.getElementById("errcustomer_name").innerHTML="Customer
name should not be empty...";
    }
}
```

```

errchk = "True";
}

if(!document.getElementById("email_id").value.match(emailExp))
{
    document.getElementById("erremail_id").innerHTML = "Entered
Email ID is not valid....";

    errchk = "True";
}

if(document.getElementById("email_id").value == "")
{
    document.getElementById("erremail_id").innerHTML="Kindly enter
Email ID./";

    errchk = "True";
}

if(document.getElementById("password").value.length < 8)
{
    document.getElementById("errpassword").innerHTML ="Password
should contain more than 8 characters...";

    errchk = "True";
}

if(document.getElementById("password").value.length > 16)
{
    document.getElementById("errpassword").innerHTML ="Password
should contain less than 16 characters...";

    errchk = "True";
}

if(!document.getElementById("password").value.match(regexpass))
{

```

```

        document.getElementById("errpassword").innerHTML ="New
password should contain at least one digit, one lower case, one upper case and 8
characters....";

        errchk = "True";

    }

    if(document.getElementById("password").value == "")

    {

        document.getElementById("errpassword").innerHTML ="New
password should not be empty....";

        errchk = "True";

    }

    if(document.getElementById("cpassword").value !=

document.getElementById("password").value )

    {

        document.getElementById("errcpassword").innerHTML ="Confirm
password Must match with new password..";

        errchk = "True";

    }

    if(document.getElementById("cpassword").value == "")

    {

        document.getElementById("errcpassword").innerHTML ="Confirm
Password should not be empty....";

        i=1;

    }

    if(document.getElementById("mobile_no").value.length != 13)

    {

        document.getElementById("errmobile_no").innerHTML="Mobile
Number should contain 10 digits..";

        errchk = "True";

    }

    if(document.getElementById("mobile_no").value == "")

    {

```

```

        document.getElementById("errmobile_no").innerHTML="Mobile
number should not be empty..";
        errchk = "True";
    }
    if(errchk == "True")
    {
        return false;
    }
    else
    {
        return true;
    }
}

```

6.5 Coding for Category:

```

<?php
include("header.php");
if(isset($_POST['submit']))
{
    $sql ="INSERT INTO
customer(customer_name,email_id,password,mobile_no,status)
values('$_POST[customer_name]','$_POST[email_id]','$_POST[password]','$_POS
T[mobile_no]','Active')";

    $qsql = mysqli_query($con,$sql);
    if(mysqli_affected_rows($con) == 1)
    {
        echo "<script>alert('Customer Registration done
successfully..');</script>";
        echo "<script>window.location='customerlogin.php';</script>";
    }
}

```

```

    else
    {
        echo "<script>alert('Failed to Register..');</script>";
        echo mysqli_error($con);
    }
}

?>

<!-- breadcrumb-area start -->
<div class="breadcrumb-area bg-gray">
<div class="container-fluid">
<div class="row">
<div class="col-lg-12">
<ul class="breadcrumb-list">
<li class="breadcrumb-item"><a href="index.html">Home</a></li>
<li class="breadcrumb-item active">Register </li>
</ul>
</div>
</div>
</div>
</div>

<!-- breadcrumb-area end -->

<!-- content-wraper start -->
<div class="content-wraper mt-50">
<div class="container-fluid">
<div class="row">
<div class="col-lg-3 col-md-3 col-sm-3"></div>
<div class="col-lg-6 col-md-6 col-sm-6">
<div class="customer-login-register">

```

```

<center><h3>Register</h3></center>
<div class="login-Register-info">
<form action="" method="post" onsubmit="return validatecustomer()">
    <p class="coupon-input form-row-first">
        <label>Name <span class="required">*</span><span
        class="errormsg" id="errcustomer_name"></span></label>
        <input type="text" name="customer_name" id="customer_name">
    </p>
    <p class="coupon-input form-row-first">
        <label>Email <span class="required">*</span><span
        class="errormsg" id="erreemail_id"></span></label>
        <input type="text" name="email_id" id="email_id">
    </p>
    <p class="coupon-input form-row-first">
        <label>Mobile No. <span class="required">*</span><span
        class="errormsg" id="errmobile_no"></span></label>
        <input type="text" name="mobile_no" id="mobile_no" value="+91"
        onkeypress="return isNumber(event)" >
    </p>
    <p class="coupon-input form-row-last">
        <label>password <span class="required">*</span><span
        class="errormsg" id="errpassword"></span></label>
        <input type="password" name="password" id="password" >
    </p>
    <p class="coupon-input form-row-last">
        <label>Confirm password <span class="required">*</span><span
        class="errormsg" id="errcpassword"></span></label>
        <input type="password" name="cpassword" id="cpassword">
    </p>
<div class="clear"></div>
<p>

```

```

        <button value="Login" name="submit" id="submit" class="button-login" type="submit">Register</button>

    </p>
</form>
</div>
</div>
</div>

            <div class="col-lg-3 col-md-3 col-sm-3"></div>

            </div>
</div>
</div>

<!-- content-wraper end -->

<!-- footer-area start -->

<?php
    include("footer.php");
?>

<script>
function validatecustomer()
{
    var numericExp = /^[0-9]+$/;
    var alphaExp = /^[a-zA-Z]+$/;
    var alphaSpaceExp = /^[a-zA-Z\s]+$/;
    var alphaNumericExp = /^[0-9a-zA-Z]+$/;
    var emailExp = /^[w\.-\.]+\@[a-zA-Z0-9\.-]+\.[a-zA-Z0-9]{2,4}\$/;
    var regexpass = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])[0-9a-zA-Z]{8,}\$/;

```

```

$('.errormsg').html("");

var errchk = "False";

if(document.getElementById("customer_name").value.length > 15)
{
    document.getElementById("errcustomer_name").innerHTML="Customer
name not contain less than 15 characters...";
    errchk = "True";
}

if(!document.getElementById("customer_name").value.match(alphaSpaceExp))
{
    document.getElementById("errcustomer_name").innerHTML =
"Kindly enter valid Customer name..";
    errchk = "True";
}

if(document.getElementById("customer_name").value == "")
{
    document.getElementById("errcustomer_name").innerHTML="Customer
name should not be empty...";
    errchk = "True";
}

if(!document.getElementById("email_id").value.match(emailExp))
{
    document.getElementById("erremail_id").innerHTML = "Entered
Email ID is not valid....";
    errchk = "True";
}

if(document.getElementById("email_id").value == "")
{

```

```

        document.getElementById("erremail_id").innerHTML="Kindly enter
Email ID.';

        errchk = "True";

    }

if(document.getElementById("password").value.length < 8)
{
    document.getElementById("errpassword").innerHTML ="Password
should contain more than 8 characters... ";

    errchk = "True";

}

if(document.getElementById("password").value.length > 16)
{
    document.getElementById("errpassword").innerHTML ="Password
should contain less than 16 characters... ";

    errchk = "True";

}

if(!document.getElementById("password").value.match(regexpass))
{
    document.getElementById("errpassword").innerHTML ="New
password should contain at least one digit, one lower case, one upper case and 8
characters.... ";

    errchk = "True";

}

if(document.getElementById("password").value == "")
{
    document.getElementById("errpassword").innerHTML ="New
password should not be empty.... ";

    errchk = "True";

}

if(document.getElementById("cpassword").value !=
document.getElementById("password").value )

```

```

{
    document.getElementById("errcpassword").innerHTML ="Confirm
password Must match with new password..";
    errchk = "True";
}

if(document.getElementById("cpassword").value == "")
{
    document.getElementById("errcpassword").innerHTML ="Confirm
Password should not be empty....";
    i=1;
}

if(document.getElementById("mobile_no").value.length != 13)
{
    document.getElementById("errmobile_no").innerHTML="Mobile
Number should contain 10 digits..";
    errchk = "True";
}

if(document.getElementById("mobile_no").value == "")
{
    document.getElementById("errmobile_no").innerHTML="Mobile
number should not be empty..";
    errchk = "True";
}

if(errchk == "True")
{
    return false;
}
else
{
    return true;
}

```

```
}

$("#mobile_no").keydown(function(e) {

    var oldvalue=$(this).val();

    var field=this;

    setTimeout(function () {

        if(field.value.indexOf('+91') !== 0) {

            $(field).val(oldvalue);

        }

    }, 1);

});

function isNumber(evt) {

    evt = (evt) ? evt : window.event;

    var charCode = (evt.which) ? evt.which : evt.keyCode;

    if (charCode > 31 && (charCode < 48 || charCode > 57)) {

        return false;

    }

    return true;

}

</script>
```

CHAPTER-7

TESTING

7.TESTING

7.1 Introduction:

Testing is the major quality control measure used during software development. It is a basic function to detect errors in the software. During the requirement analysis and design the output of the document that is usually textual and non-executable after the coding phase the computer programs are available that can be executed for testing purpose. This implies that testing not only has to uncover errors introduce during the previous phase. The goal of testing is to uncover requirement, design, coding errors in the program.

Testing determines whether the system appears to be working according to the specifications. It is the phase where we try to break the system and we test the system with real case scenarios at a point.

7.2 Levels of Testing:

- **Unit Testing:** The unit testing of the source code has to be done for every individual unit of module that was developing part of the system and some errors were found for every turn and rectified. This form of testing was use to check for the behaviour signified the working of the system in different environment as an independent functional unit.
- **Integration Testing:** From the individual parts to the cohesion of each part to make the system as a whole, there is need to test the working between the assembled modules of the system. The modules are integrated to makeup the entire system. The testing process is concerned with finding errors that result from unanticipated interaction between the sub-system and system component. It is also concerned with validating the system meets its functional and non-functional requirement.
- **System Testing:** The requirement specification document that is the entire system is to be tested to see whether it meets the requirement or not.

7.3 Test Reports:

Test Unit: Admin Component

- Adding admin:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If admin name contains other than Character values.	Admin name	Alert the user to enter only Characters and return to same page.	SUCCESSFUL
3.	If login ID is invalid.	Login id	Alert the user to enter a valid login ID and return to the same page.	SUCCESSFUL
4.	If password length is not between 8 to 16 characters.	password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
5.	If confirm password and password does not match.	cpassword, password	Alert the user to enter matching password and confirm password.	SUCCESSFUL

- Admin login:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID and Password does not match.	Email id, password	Alert user that E-mail ID and password are not matching and stay in the same page.	SUCCESSFUL

- Admin Change Password:**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If field in the form is empty.	Value of form fields.	Alert the user to enter the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID is invalid.	Login id	Alert user to enter a valid E-mail ID and stay in the same page.	SUCCESSFUL
3.	If the old password is not between the given range of 8 to 16 characters.	Old password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
4.	If the new password is not between the given range of 8 to 16 characters.	New password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
5.	If the confirm password and password does not match.	cpassword, password	Alert user that confirm password and password are not matching and stay in the same page.	SUCCESSFUL

Test Unit: Customer component

- Customer registration:**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If customer name contains other than Character values.	Customer name	Alert the user to enter only characters and return to the same page.	SUCCESSFUL

3.	If country is not selected.	Country	Alert the user to select a country.	SUCCESSFUL
4.	If state is not selected.	State	Alert the user to select a state.	SUCCESSFUL
5.	If PIN Code contains other than numeric values.	Pincode	Alert the user to enter only numeric values.	SUCCESSFUL
6.	If contact number contains other than numeric values.	Cntctnum	Alert the user to enter only numeric values.	SUCCESSFUL
7.	If mobile number contains other than numeric values.	Mblnum	Alert the user to enter only numeric values.	SUCCESSFUL
8.	If E-mail ID is invalid.	Emailed	Alert the user to enter a valid E-mail ID and return to the same page.	SUCCESSFUL
9.	If password length is not between 8 to 16 characters.	Password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
10.	If confirm password and password does not match.	cpassword, password	Alert the user to enter matching password and confirm password.	SUCCESSFUL
11.	If the customer type is not selected.	Customer type	Alert the user to select a customer type and return to the same page.	SUCCESSFUL

- **Customer Update:**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If customer name contains other than Character values.	Customer name	Alert the user to enter only characters and return to the same page.	SUCCESSFUL
3.	If country is not selected.	Country	Alert the user to select a country.	SUCCESSFUL
4.	If state is not selected.	State	Alert the user to select a state.	SUCCESSFUL
5.	If city is not selected.	City	Alert the user to select a city.	SUCCESSFUL
6.	If PIN Code contains other than numeric values.	Pin code	Alert the user to enter only numeric values.	SUCCESSFUL
7.	If contact number contains other than numeric values.	num	Alert the user to enter only numeric values.	SUCCESSFUL
8.	If mobile number contains other than numeric values.	Mbl num	Alert the user to enter only numeric values.	SUCCESSFUL
9.	If E-mail ID is invalid.	Emailed	Alert the user to enter a valid E-mail ID and return to the same page.	SUCCESSFUL
10.	If password length is not between 8 to 16 characters.	Password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
11.	If confirm password and password does not	cpassword, password	Alert the user to enter matching password and confirm password.	SUCCESSFUL

	match.			
12.	If the customer type is not selected.	Customer type	Alert the user to select a customer type and return to the same page.	SUCCESSFUL

- Customer login:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID and Password does not match.	Email id, password	Alert user that E-mail ID and password are not matching and stay in the same page.	SUCCESSFUL

- Customer Change Password:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If field in the form is empty.	Value of form fields.	Alert the user to enter the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID is invalid.	Login id	Alert user to enter a valid E-mail ID and stay in the same page.	SUCCESSFUL
3.	If the old password is not between the given range of 8 to 16 characters.	Old password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
4.	If the new password is not between the given range of 8 to 16 characters.	New password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
5.	If the confirm password and password does not match.	c password, password	Alert user that confirm password and password are not matching and stay in the same page.	SUCCESSFUL

- Customer forgot password:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If field in the form is empty.	Value of form fields.	Alert the user to enter the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID is invalid.	Emailed	Alert user to enter a valid E-mail ID and stay in the same page.	SUCCESSFUL

Test Unit: Worker component:

- Worker Registration:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If worker name contains other than Character values.	Name	Alert the user to enter only characters and return to the same page.	SUCCESSFUL
3.	If country is not selected.	Country	Alert the user to select a country.	SUCCESSFUL
4.	If state is not selected.	State	Alert the user to select a state.	SUCCESSFUL
5.	If PIN Code contains other than numeric values.	Pin code	Alert the user to enter only numeric values.	SUCCESSFUL
6.	If E-mail ID is invalid.	Login id	Alert the user to enter a valid E-mail ID and return to the same page.	SUCCESSFUL
7.	If password length is not between 8 to 16 characters.	Password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL

8.	If confirm password and password does not match.	c password, password	Alert the user to enter matching password and confirm password.	SUCCESSFUL
9.	If the expected salary contains other than numeric values.	Expected salary	Alert the user to select a expected salary and return to the same page.	SUCCESSFUL

- **Worker Login:**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID and Password does not match.	Email id, password	Alert user that E-mail ID and password are not matching and stay in the same page.	SUCCESSFUL

- **Worker Change Password:**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If field in the form is empty.	Value of form fields.	Alert the user to enter the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID is invalid.	Login id	Alert user to enter a valid E-mail ID and stay in the same page.	SUCCESSFUL
3.	If the old password is not between the given range of 8 to 16 characters.	Old password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
4.	If the new password is not between the given range of 8 to 16 characters.	New password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
5.	If the confirm password and password does not match.	c password, password	Alert user that confirm password and password are not matching and stay in the same page.	SUCCESSFUL

- Worker forgot password:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If field in the form is empty.	Value of form fields.	Alert the user to enter the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID is invalid.	Email id	Alert user to enter a valid E-mail ID and stay in the same page.	SUCCESSFUL

- Worker Request:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If field in the form is empty.	Value of form fields.	Alert the user to enter the fields and then proceed.	SUCCESSFUL
2.	If the start date is not selected.	From date	Alert user to enter the start date and stay in the same page.	SUCCESSFUL
3.	If the termination date is not selected.	Till date	Alert user to enter the termination date and stay in the same page.	SUCCESSFUL
4.	If country is not selected.	Country	Alert the user to select a country.	SUCCESSFUL
5.	If state is not selected.	State	Alert the user to select a state.	SUCCESSFUL
6.	If city is not selected.	City	Alert the user to select a city.	SUCCESSFUL
7.	If salary contains other than numeric characters.	Salary	Alert the user to enter only numerical values.	SUCCESSFUL
8.	If incentive type is not selected.	Salary type	Alert the user to select the incentive type.	SUCCESSFUL

Test Unit : Seller Component

- Seller Registration:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If seller name contains other than Character values.	Seller name	Alert the user to enter only characters and return to the same page.	SUCCESSFUL
3.	If country is not selected.	Country	Alert the user to select a country.	SUCCESSFUL
4.	If state is not selected.	State	Alert the user to select a state.	SUCCESSFUL
5.	If city is not selected.	City	Alert the user to select a city.	SUCCESSFUL
6.	If PIN Code contains other than numeric values.	Pin code	Alert the user to enter only numeric values.	SUCCESSFUL
7.	If contact number contains other than numeric values.	Contact number	Alert the user to enter only numeric values.	SUCCESSFUL
8.	If mobile number contains other than numeric values.	Mb number	Alert the user to enter only numeric values.	SUCCESSFUL
9.	If E-mail ID is invalid.	Email id	Alert the user to enter a valid E-mail ID and return to the same page.	SUCCESSFUL
10.	If bank name contains values other than characters.	Bank name	Alert the user to enter only characters for Bank name.	SUCCESSFUL

11.	If bank branch name contains values other than characters.	Branch	Alert the user to enter only characters for bank branch name.	SUCCESSFUL
12.	If bank account number contains values other than numbers.	Bank ac number	Alert the user to enter only numeric values for bank account number.	SUCCESSFUL

- Seller update:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If seller name contains other than Character values.	Seller name	Alert the user to enter only characters and return to the same page.	SUCCESSFUL
3.	If country is not selected.	Country	Alert the user to select a country.	SUCCESSFUL
4.	If state is not selected.	State	Alert the user to select a state.	SUCCESSFUL
5.	If city is not selected.	City	Alert the user to select a city.	SUCCESSFUL
6.	If PIN Code contains other than numeric values.	Pin code	Alert the user to enter only numeric values.	SUCCESSFUL
7.	If contact number contains other than numeric values.	Contact number	Alert the user to enter only numeric values.	SUCCESSFUL
8.	If mobile number contains other than numeric values.	Mb number	Alert the user to enter only numeric values.	SUCCESSFUL

9.	If E-mail ID is invalid.	Email id	Alert the user to enter a valid E-mail ID and return to the same page.	SUCCESSFUL
10.	If bank name contains values other than characters.	Bank name	Alert the user to enter only characters for Bank name.	SUCCESSFUL
11.	If bank branch name contains values other than characters.	Branch	Alert the user to enter only characters for bank branch name.	SUCCESSFUL
12.	If bank account number contains values other than numbers.	Bank ac number	Alert the user to enter only numeric values for bank account number.	SUCCESSFUL

- Seller Login:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID and Password does not match.	Email id, password	Alert user that E-mail ID and password are not matching and stay in the same page.	SUCCESSFUL

- Seller Change Password:

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If field in the form is empty.	Value of form fields.	Alert the user to enter the fields and then proceed.	SUCCESSFUL
2.	If the E-mail ID is invalid.	Login id	Alert user to enter a valid E-mail ID and stay in the same page.	SUCCESSFUL
3.	If the old password is not between the given range of 8 to 16 characters.	Old password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL

4.	If the new password is not between the given range of 8 to 16 characters.	New password	Alert the user to enter a password of length between 8 to 16 characters.	SUCCESSFUL
5.	If the confirm password and password does not match.	c password, password	Alert user that confirm password and password are not matching and stay in the same page.	SUCCESSFUL

- **Test Unit : Variety Component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If field in the form is empty.	Value of form fields.	Alert the user to enter the fields and then proceed.	SUCCESSFUL
2.	If category is not selected.	category	Alert the user to select a category.	SUCCESSFUL
3.	If produce is not selected.	produce	Alert the user to select a produce.	SUCCESSFUL
4.	If variety contains values other than characters.	variety	Alert the user to enter only characters for variety.	SUCCESSFUL
5.	If image is not selected.	img	Alert the user to select an image.	SUCCESSFUL

- **Testing Unit: Selling Product Component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If category is not selected.	Category	Alert the user to select a category.	SUCCESSFUL
3.	If product name contains values other than characters.	Product name	Alert the user to enter only characters for product name.	SUCCESSFUL

4.	If image is not selected.	img1	Alert the user to select an image.	SUCCESSFUL
5.	If cost contains values other than numeric values.	Cost	Alert the user to enter only numeric values for cost.	SUCCESSFUL

- **Test Unit: Purchase Request component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If product contains values other than characters.	product	Alert the user to enter only characters for product.	SUCCESSFUL
3.	If quantity contains values other than numeric values.	Quantity	Alert the user to enter only numeric values for quantity.	SUCCESSFUL
4.	If the date of request is not selected.	Request date	Alert the user to select the date of request.	SUCCESSFUL
5.	If the date of expiry is not selected.	Expiry date	Alert the user to select the date of expiry.	SUCCESSFUL

- **Testing Unit: Product Purchase Bill Component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If customer name contains other than Character values.	Customer name	Alert the user to enter only characters and return to the same page.	SUCCESSFUL
3.	If country is not selected.	Country	Alert the user to select a country.	SUCCESSFUL

4.	If state is not selected.	State	Alert the user to select a state.	SUCCESSFUL
5.	If city is not selected.	City	Alert the user to select a city.	SUCCESSFUL
6.	If PIN Code contains other than numeric values.	Pin code	Alert the user to enter only numeric values.	SUCCESSFUL
7.	If contact number contains other than numeric values.	contact number	Alert the user to enter only numeric values.	SUCCESSFUL

- **Test Unit: Product component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If category is not selected.	Category	Alert the user to select a category.	SUCCESSFUL
3.	If produce is not selected.	Produce	Alert the user to select a produce.	SUCCESSFUL
4.	If variety is not selected.	Variety	Alert the user to select a variety.	SUCCESSFUL
5.	If image is not selected.	img1	Alert the user to select an image.	SUCCESSFUL
6.	If quantity contains values other than numeric values.	Quantity	Alert the user to enter only numeric values for quantity.	SUCCESSFUL
7.	If quantity type is not selected.	Quantity type	Alert the user to select a quantity type.	SUCCESSFUL

- **Test Unit: Produce component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If category is not selected.	Category	Alert the user to select a category.	SUCCESSFUL
3.	If produce is not selected.	Produce	Alert the user to select a produce.	SUCCESSFUL
4.	If image is not selected.	Img	Alert the user to select an image.	SUCCESSFUL

- **Test Unit: Country component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If country contains values other than characters.	Country	Alert the user to enter only characters for country name.	SUCCESSFUL

- **Test Unit: State component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If state contains values other than characters.	State	Alert the user to enter only characters for state name.	SUCCESSFUL

- **Test Unit: City component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If country is not selected.	Country	Alert the user to select a country.	SUCCESSFUL
3.	If state is not selected.	State	Alert the user to select a state.	SUCCESSFUL
4.	If city contains values other than characters.	City	Alert the user to enter only characters for city name.	SUCCESSFUL

- **Test Unit: Category component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If category contains values other than characters.	Category	Alert the user to enter only characters for category name.	SUCCESSFUL
3.	If image is not selected.	Img	Alert the user to select an image.	SUCCESSFUL

- **Test Unit: Article component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If article type is not selected.	Article type	Alert the user to select an article type.	SUCCESSFUL
3.	If the date of publishing is not selected	Publish date	Alert the user to select the date of publishing the article.	SUCCESSFUL
4.	If image is not selected.	img1	Alert the user to select an image.	SUCCESSFUL

- **Test Unit: Selling Product component**

Serial No.	Condition To be Tested	Test Data	Expected Output	Remarks
1.	If any field in the form is empty.	Value of form fields.	Alert the user to enter all the fields and then proceed.	SUCCESSFUL
2.	If seller name is not selected.	Seller name	Alert the user to select the name of the seller.	SUCCESSFUL
3.	If category is not selected	Category	Alert the user to select the category.	SUCCESSFUL
4.	If produce is not selected.	Produce	Alert the user to select the produce.	SUCCESSFUL
5.	If variety is not selected.	Variety	Alert the user to select the variety.	SUCCESSFUL
6.	If image is not selected.	img1	Alert the user to select an image.	SUCCESSFUL
7.	If quantity contains values other than numeric values.	Quantity	Alert the user to enter only numeric values for quantity.	SUCCESSFUL
8.	If the quantity type is not selected.	Quantity type	Alert the user to select a quantity type.	SUCCESSFUL

CHAPTER-8

SCREEN SHOTS

Add Category:

The screenshot shows the 'Add Category' page of the Online Auction website. At the top, there is a navigation bar with links for Reverse Product, Users, Auction Settings, Bidding Report, Report, and My account. Below the navigation bar, there is a search bar with a placeholder 'Enter your search key ...' and a red 'Search' button. To the left of the search bar is a customer support icon with the text 'Customer Support: +91-9972463499'. On the right side of the header, there is a shopping bag icon labeled 'Deposit'. Below the header, there is a horizontal menu with links for LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID. The main content area has a title 'Category' and a form for adding a new category. The form fields include 'Category Name*' (Sports & Games), 'Category Icon*' (Choose File: Sports & Games.jpg), 'Description' (Sports & Games), and 'Status*' (Active). A 'Submit' button is located at the bottom of the form.

Category

Category Name*

Sports & Games

Category Icon*

Choose File Sports & Games.jpg

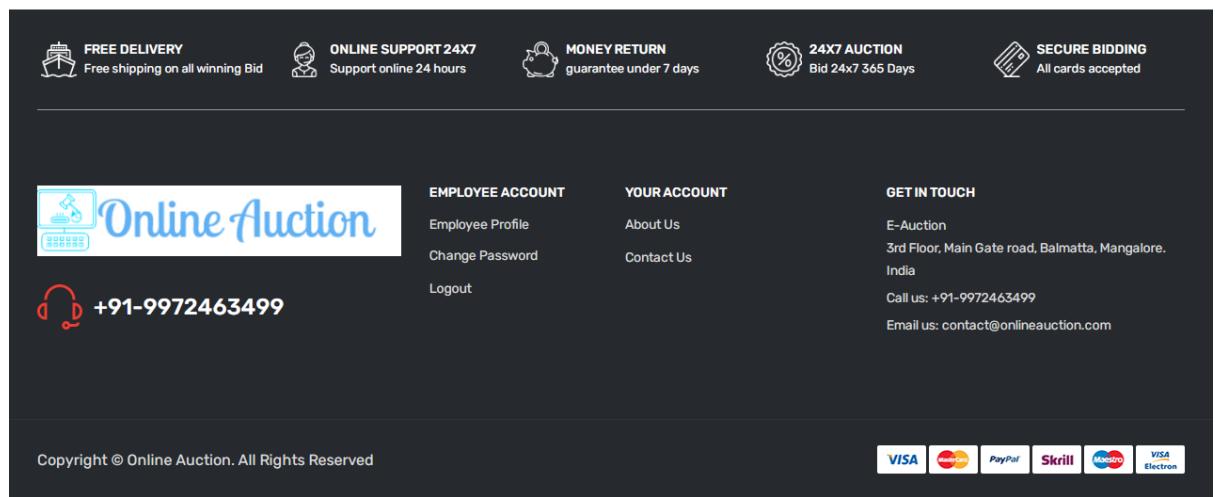
Description

Sports & Games

Status*

Active

Submit

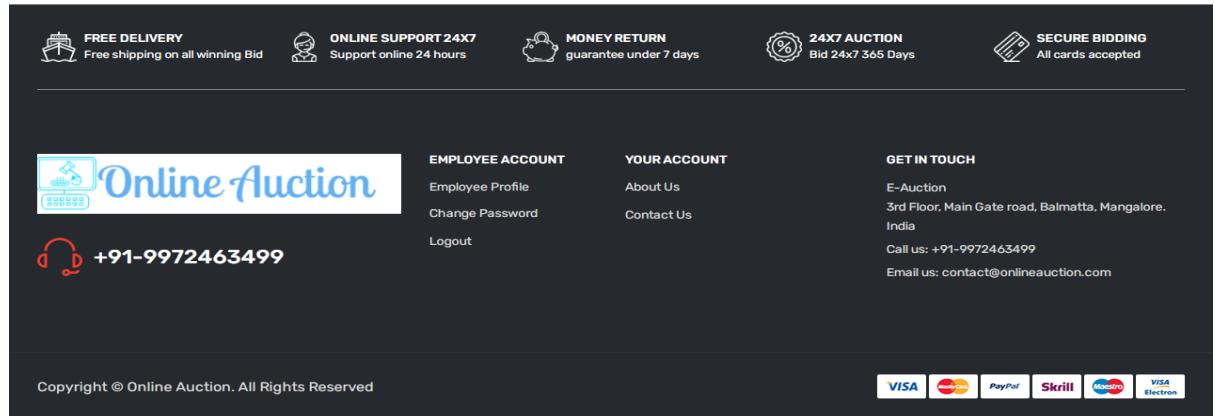


Add Employee:

The screenshot shows the 'Employee' form on the Online Auction website. The form fields are as follows:

- Employee Name: Anand
- Login ID: anand
- Password: (redacted)
- Confirm Password: (redacted)
- Employee type: Admin
- Status: Active

At the bottom right of the form is a 'Submit' button.



Customer - Upload Product:

Online Auction

- HOME
- ABOUT
- CONTACT
- Main
- Message Box
- Winning Bid
- My Products
- My account

Customer Support: +91-9972463499

All Categories | Enter your search key ... | Search | Balance ₹0

LATEST AUCTIONS | FEATURED AUCTIONS | UPCOMING AUCTIONS | CLOSING AUCTIONS | CLOSED AUCTIONS | REVERSE BID

Upload Product

Category: Gold jewellery

Product Name: Alloy Jewel Set (Gold)

Product description: Special Design And Unique Structure, A Popular Item Women Love Jewellery Specially Artificial Jewellery Adore A Women. They Wear It On Different Occasion. They Have Special Importance On Ring Ceremony, Wedding And Festive Time. They Can Also Wear It On Regular Basis . Make Your Moment Memorable With This Range. This Jewellery Features A Unique One Of A Kind Traditional Embellish With Antique Finish. This Rich & Famous 2 In 1 Valentine Day Special Heart Pendant With Chain. Rich & Famous Is A Tazs Brand In Fashion Jewelry Sector.

Upload image: Choose File gold.jpeg

Starting bid: 255

Actual cost: 50000

Start date: 27-08-2020

Start time: 06:23 PM

End date: 28-08-2020

End time: 06:23 PM

Product delivery: 5-7 days

Company name: Akshaal

Submit

 FREE DELIVERY
Free shipping on all winning Bid

 ONLINE SUPPORT 24X7
Support online 24 hours

 MONEY RETURN
guarantee under 7 days

 24X7 AUCTION
Bid 24x7 365 Days

 SECURE BIDDING
All cards accepted

Online Auction

+91-9972463499

YOUR ACCOUNT

About Us
Contact Us

GET IN TOUCH

E-Auction
3rd Floor, Main Gate road, Balmatta, Mangalore.
India
Call us: +91-9972463499
Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved

VISA | MasterCard | PayPal | Skrill | American Express | VISA Electron

Admin - Reverse bidding Product

The screenshot shows the Admin - Reverse bidding Product section of the Online Auction website. At the top, there's a navigation bar with links for Reverse Product, Users, Auction Settings, Bidding Report, Report, and My account. Below the navigation is a search bar with 'Customer Support: +91-9972463499' and a deposit link. The main content area has tabs for LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID. The current view is the REVERSE BID tab.

Upload Product

Category

Mobile Phones

Product Name

Redmi 8 - Ruby Red, 64 GB 4 GB RAM

Product description

If you are a travel blogger, gamer, entertainment seeker, or a person who loves a high-end personal device, then the Redmi 8 has been created to meet your needs. This smartphone features a 15.8-cm (6.22) Dot Notch Display, a 12 MP + 2 MP AI Dual Camera, and a 5000 mAh High-capacity Battery to offer detailed views of the stunning photos that you can click all day long without running out of battery life.

Upload image

miphone.jpeg

Actual cost

10000

Start date

27-08-2020



Start time

04:48 PM



End date

31-08-2020



End time

04:48 PM



Product delivery

3-4 Days



Company name

Redmi

FREE DELIVERY
Free shipping on all winning Bid

ONLINE SUPPORT 24X7
Support online 24 hours

MONEY RETURN
guarantee under 7 days

24X7 AUCTION
Bid 24x7 365 Days

SECURE BIDDING
All cards accepted

Online Auction

+91-9972463499

EMPLOYEE ACCOUNT

Employee Profile

Change Password

Logout

YOUR ACCOUNT

About Us

Contact Us

GET IN TOUCH

E-Auction

3rd Floor, Main Gate road, Balmatta, Mangalore,
India

Call us: +91-9972463499

Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved



Admin Dashboard

Online Auction

Reverse Product | Users | Auction Settings | Bidding Report | Report | My account

Customer Support: +91-9972463499 | All Categories | Enter your search key ... | Search | Deposit

LATEST AUCTIONS | FEATURED AUCTIONS | UPCOMING AUCTIONS | CLOSING AUCTIONS | CLOSED AUCTIONS | REVERSE BID

Home > Admin Dashboard

No. of bidding records...
» 31 Records «

No. of billings...
» 23 Records «

No. of category...
» 6 Records «

No. of customer...
» 7 Records «

No. of Employees...
» 2 Records «

No. of messages...
» 14 Records «

No. of payments...
» 31 Records «

No. of products...
» 11 Records «

No. of winners winners...
» 3 Records «

FREE DELIVERY | Free shipping on all winning Bid

ONLINE SUPPORT 24X7 | Support online 24 hours

MONEY RETURN | guarantee under 7 days

24X7 AUCTION | Bid 24x7 365 Days

SECURE BIDDING | All cards accepted

Online Auction

+91-9972463499

Employee Profile | Change Password | Logout

About Us | Contact Us

GET IN TOUCH

E-Auction
3rd Floor, Main Gate road, Balmatta, Mangalore.
India
Call us: +91-9972463499
Email us: contact@onlineauction.com

VISA | MASTERCARD | PAYPAL | SKRILL | MASTERCARD | VISA Electron

Copyright © Online Auction. All Rights Reserved

Admin Login :

The screenshot shows the homepage of the Online Auction website. At the top, there is a navigation bar with links for HOME, ABOUT, and CONTACT. On the right side of the navigation bar are links for Register and Login. Below the navigation bar, there is a search bar with a placeholder "Enter your search key ...". To the left of the search bar, there is a "Customer Support" section with a phone icon and the number +91-9972463499. To the right of the search bar, there is a red "Search" button. Further down, there are links for LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID. Below these links, a breadcrumb navigation shows "Home > Login".

Login

The screenshot shows a login form within a white box. It contains two input fields: one for "Login ID *" with the value "admin" and another for "password *" with the value ".....". Below the password field is a small placeholder icon. At the bottom of the form is a dark blue "Login" button.

The screenshot shows the footer section of the website. It features several service icons and descriptions: "FREE DELIVERY" (Free shipping on all winning Bid), "ONLINE SUPPORT 24X7" (Support online 24 hours), "MONEY RETURN" (guarantee under 7 days), "24X7 AUCTION" (Bid 24x7 365 Days), and "SECURE BIDDING" (All cards accepted). Below these icons, there is a logo for "Online Auction" with a blue and white design. To the right of the logo, there are links for "EMPLOYEE ACCOUNT" (Admin Login, Employee Login) and "YOUR ACCOUNT" (About Us, Contact Us). On the far right, there is a "GET IN TOUCH" section with contact information: "E-Auction", "3rd Floor, Main Gate road, Balmatta, Mangalore, India", "Call us: +91-9972463499", and "Email us: contact@onlineauction.com". At the very bottom of the footer, there is a copyright notice "Copyright © Online Auction. All Rights Reserved" and a row of payment method icons for VISA, MasterCard, PayPal, Skrill, and American Express.

Bidding Form:

The screenshot shows the homepage of the Online Auction website. At the top, there's a navigation bar with links for HOME, ABOUT, CONTACT, Main, Message Box, Winning Bid, My Products, and My account. Below the navigation is a search bar with a placeholder "Enter your search key ...". To the left of the search bar is a customer support icon with the text "Customer Support: +91-9972463499". On the right, there's a shopping bag icon labeled "Balance ₹0". The main content area features a "Billing Form" section for a product named "AlloyJewelSeT" with charges of "Rs. 100". It includes fields for payment type (Debit Card), card holder (Surendra), card number (4458966511144589), expiry date (January, 2021), and CVV number (486). A blue button at the bottom of the form says "Click here to Make payment". Below the form, there are five service icons: FREE DELIVERY (Free shipping on all winning Bid), ONLINE SUPPORT 24X7 (Support online 24 hours), MONEY RETURN (guarantee under 7 days), 24X7 AUCTION (Bid 24x7 365 Days), and SECURE BIDDING (All cards accepted). The footer contains the "Online Auction" logo, contact information (+91-9972463499), and copyright notice (Copyright © Online Auction. All Rights Reserved). It also features payment method icons for VISA, MasterCard, PayPal, Skrill, American Express, and VISA Electron.

Billing Form

Product name	AlloyJewelSeT
Charges	Rs. 100

Payment type

Debit Card

Card holder

Surendra

Card number

4458966511144589

Expiry date

January, 2021

CVV number

486

[Click here to Make payment](#)

FREE DELIVERY
Free shipping on all winning Bid

ONLINE SUPPORT 24X7
Support online 24 hours

MONEY RETURN
guarantee under 7 days

24X7 AUCTION
Bid 24x7 365 Days

SECURE BIDDING
All cards accepted

Online Auction

+91-9972463499

Copyright © Online Auction. All Rights Reserved

Online Chat:

The screenshot shows a web-based auction platform with a navigation bar at the top. The menu items include HOME, ABOUT, CONTACT, Main, Message Box, Winning Bid, My Products, and My account. Below the menu is a search bar with a placeholder "Enter your search key" and a red "Search" button. To the left of the search bar is a "Customer Support" section with a phone icon and the number +91-9972463499. To the right is a "Balance ₹99.75" indicator with a shopping bag icon.

Below the search bar are several links: LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID. The main content area shows a product listing for a "Fujifilm Instax Mini 9 Party box, Lime Green Insta". The product image is a lime green Fujifilm Instax Mini 9 camera. The listing includes the following details:

- Category: Camera
- Time Remaining: 161 days 10hrs 51min 4sec
- Actual product cost: ₹8000.00
- Current Bid Amount: ₹25.00

A form for "Enter Bid Amount" is present, with a placeholder "Enter amount". To the right of the product listing is a sidebar for "Preetham Bhat" which shows a conversation with "Surendra kumar". The messages are:

- Surendra kumar | 27-Aug-2020 03:08 PM: Hello
- Surendra kumar | 27-Aug-2020 03:08 PM: I wanted to know some features about this product

At the bottom right of the sidebar is a text input field with the placeholder "Type a message...".

Customer Login:

The screenshot shows the homepage of the Online Auction website. At the top, there is a navigation bar with links for HOME, ABOUT, CONTACT, Main, Message Box, Winning Bid, My Products, and My account. Below the navigation bar, there is a search bar with a placeholder "Enter your search key ...". To the left of the search bar, there is a "Customer Support" section with a phone icon and the number +91-9972463499. On the right side of the search bar, there is a shopping bag icon labeled "Balance ₹0". Below the search bar, there are links for LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID. A breadcrumb navigation shows "Home > Login".

Login

The login form is contained within a white box. It has two input fields: "Mobile No. or Email *" with the value "surendrakumar23@gmail.com" and "password *" with the value ".....". Below the inputs are a "Login" button and a "Lost your password?" link.

The footer section contains several service icons: FREE DELIVERY (Free shipping on all winning Bid), ONLINE SUPPORT 24X7 (Support online 24 hours), MONEY RETURN (guarantee under 7 days), 24X7 AUCTION (Bid 24x7 365 Days), and SECURE BIDDING (All cards accepted). Below these icons, there is a logo for "Online Auction" with a phone icon and the number +91-9972463499. The footer also includes copyright information: "Copyright © Online Auction. All Rights Reserved" and payment method icons for VISA, MasterCard, PayPal, Skrill, and American Express.

Customer Panel:

The screenshot shows the customer panel of the Online Auction website. At the top, there's a navigation bar with links for HOME, ABOUT, CONTACT, Main, Message Box, Winning Bid, My Products, and My account. Below the navigation is a search bar with a placeholder "Enter your search key ...". To the left of the search bar is a "Customer Support" section with a phone icon and the number +91-9972463499. To the right is a "Balance" section with a shopping bag icon and the value ₹0.

Below the search bar are several categories: LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID.

The main content area is titled "Customer Panel" and features eight cards arranged in two rows of four:

- Deposit**: Shows a close-up of a keyboard with a red "DEPOSIT" button. Below it is a "Deposit Amount" input field.
- Open for Bidding**: A green speech bubble says "ONLINE AUCTION IS OPEN FOR BIDDING" and "spread the word". Below it is a "View My Bid" button.
- Winning Bid**: Shows three people at a table with a gavel and bid buttons. Below it is a "Winning Bid" button.
- Sell Product**: Shows a laptop with a "Just BuyOrSell" logo. Below it is a "Sell Product" button.

The second row contains:

- View Product**: Shows a hand holding a smartphone displaying a product listing for a swimming pool.
- Profile**: Shows the "Profile Software" logo.
- Change Password**: Shows the Windows logo and a "Change Password" button.
- 1,000,000 auction transactions**: Shows a blue banner with the text "1,000,000 auction transactions" and "GovDeals AUCTION SERVICE". Below it is a "View Transaction" button.

At the bottom of the page, there are five service guarantees with icons:

- FREE DELIVERY**: Free shipping on all winning Bid.
- ONLINE SUPPORT 24X7**: Support online 24 hours.
- MONEY RETURN**: guarantee under 7 days.
- 24X7 AUCTION**: Bid 24x7 365 Days.
- SECURE BIDDING**: All cards accepted.

The footer includes the "Online Auction" logo, a phone icon with the number +91-9972463499, copyright information ("Copyright © Online Auction. All Rights Reserved"), and payment method icons for VISA, MasterCard, PayPal, Skrill, Neteller, and Visa Electron.

Customer Register

The screenshot shows the homepage of the Online Auction website. At the top, there's a navigation bar with links for HOME, ABOUT, and CONTACT. On the right side of the top bar are links for Register and Login. Below the top bar, there's a search bar with a placeholder "Enter your search key ...". To the left of the search bar is a "Customer Support" section with a phone icon and the number +91-9972463499. To the right of the search bar is a shopping bag icon labeled "Deposit". Below the search bar, there's a horizontal menu with links for LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID. At the bottom of the main content area, there's a breadcrumb navigation showing "Home > Register".

Register

The screenshot shows the "Register" form. It contains fields for Name, Email, Mobile No., password, and Confirm password. Each field has a red asterisk indicating it is required. Below the fields is a "Register" button.

Name *	<input type="text" value="Surendra J karmath"/>
Email *	<input type="text" value="surendrakarmath@gmail.com"/>
Mobile No. *	<input type="text" value="+919985625441"/>
password *	<input type="password" value="....."/>
Confirm password *	<input type="password" value="..... "/>
<input type="button" value="Register"/>	

The screenshot shows the footer section of the website. It features several service icons: FREE DELIVERY (Free shipping on all winning Bid), ONLINE SUPPORT 24X7 (Support online 24 hours), MONEY RETURN (guarantee under 7 days), 24X7 AUCTION (Bid 24x7 365 Days), and SECURE BIDDING (All cards accepted). Below these icons, there's a logo for "Online Auction" with a phone icon and the number +91-9972463499. The footer also includes links for Admin Login, Employee Login, About Us, Contact Us, and a "GET IN TOUCH" section with address information: E-Auction, 3rd Floor, Main Gate road, Balmatta, Mangalore, India. It also lists the phone number and email address. At the very bottom, there's a copyright notice: Copyright © Online Auction. All Rights Reserved, and a row of payment method icons: VISA, MasterCard, PayPal, Skrill, American Express, and VISA Electron.

View Customer

Online Auction

Reverse Product | Users | Auction Settings | Bidding Report | Report | My account

Customer Support: +91-9972463499

All Categories | Enter your search key ... | Search

LATEST AUCTIONS | FEATURED AUCTIONS | UPCOMING AUCTIONS | CLOSING AUCTIONS | CLOSED AUCTIONS | REVERSE BID

View Billing | Customer Report | View Messages | View Payment | View products

Deposit

Home > View Customer

View Customer

Customer Name	email	address	landmark	mobile no	Status	Action
Hudson A K	hudsonak@gmail.com	Near Syndicate Circle, opp. Domino's Pizza, Manipal, Manipal-576104, Karnataka	Near KMC Hospital	7894561230	Active	Edit Delete
Mahesh Kumar	maheshkumar@gmail.com	3rd floor, city light building, Mangalore-575003, Karnataka	Khazana Jeweller	8217727968	Active	Edit Delete
Manish Kumar	manishkumar@gmail.com	Adi-udipi, Karnataka 576102, Mangalore-575003, Karnataka	Adi-udipi	8217727968	Active	Edit Delete
Manthesh kumar	mantheshkumar@gmail.com	No.52, Jyoti Nivas College, 5th Block, Koramangala, Bengaluru-560095, Karnataka	Premises of Tibetan Kitchen	9874563210	Active	Edit Delete
Nanda Gopal	nandagopal@gmail.com	Apartment no. 02, 1st Cross Rd, Shastri Nagar, Ballari-583103, Karnataka	RH Road	9986055414	Active	Edit Delete
Preetham Bhat	preethambhat@gmail.com	Balmatta Junction, Near Collector's Gate, Mangalore-575002, Karnataka	RTO Junction	9874563210	Active	Edit Delete
Rajesh Krishna	rajeshkrishna@gmail.com	Junction, Bendoorwell, Kankanady, Mangalore-575002, Karnataka	Junction Road	7894561230	Active	Edit Delete

Show 10 entries | Search:

Showing 1 to 7 of 7 entries | Previous | [1](#) | Next

FREE DELIVERY | ONLINE SUPPORT 24X7 | MONEY RETURN | 24X7 AUCTION | SECURE BIDDING

Free shipping on all winning Bid | Support online 24 hours | guarantee under 7 days | Bid 24x7 365 Days | All cards accepted

Online Auction

+91-9972463499

EMPLOYEE ACCOUNT | YOUR ACCOUNT | GET IN TOUCH

Employee Profile | About Us
Change Password | Contact Us
Logout

E-Auction
3rd Floor, Main Gate road, Balmatta, Mangalore, India
Call us: +91-9972463499
Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved

VISA | MasterCard | PayPal | Skrill | Mpesa | VISA Electron

Deposit Advance amount for bidding

Deposit Form

Deposit amount

Card type

Card holder

Card number

CVV number

Card Expiry date



[Click here to make payment](#)



FREE DELIVERY

Free shipping on all winning Bid



ONLINE SUPPORT 24X7

Support online 24 hours



MONEY RETURN

guarantee under 7 days



24X7 AUCTION

Bid 24x7 365 Days



SECURE BIDDING

All cards accepted

Payment Receipt

The screenshot shows the header of the 'Online Auction' website. It includes the logo, navigation links for HOME, ABOUT, CONTACT, and various account-related dropdowns like Main, Message Box, Winning Bid, My Products, and My account. Below the header is a search bar with a placeholder 'Enter your search key ...' and a red 'Search' button. To the right of the search bar is a shopping bag icon labeled 'Balance ₹0'. The main menu below the header lists LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID.

Billing Receipt

Online Auction Hub	
city light Mangalore	
Bill No. 1349	Date 2020-08-27
Customer Surendra kumar	Payment type Debit Card
Product name	AlloyJewelSeT
Paid amount	Rs. 100.00

[Click here to Print](#)

The screenshot shows the bottom section of the website. It features five service icons: FREE DELIVERY (Free shipping on all winning Bid), ONLINE SUPPORT 24X7 (Support online 24 hours), MONEY RETURN (guarantee under 7 days), 24X7 AUCTION (Bid 24x7 365 Days), and SECURE BIDDING (All cards accepted). Below these are links for the Online Auction logo, YOUR ACCOUNT (About Us, Contact Us), and GET IN TOUCH (E-Auction address, phone number +91-9972463499, email contact@onlineauction.com). At the very bottom is a copyright notice 'Copyright © Online Auction. All Rights Reserved' and a row of payment method icons for VISA, MasterCard, PayPal, Skrill, Mandiri, and VISA Electron.

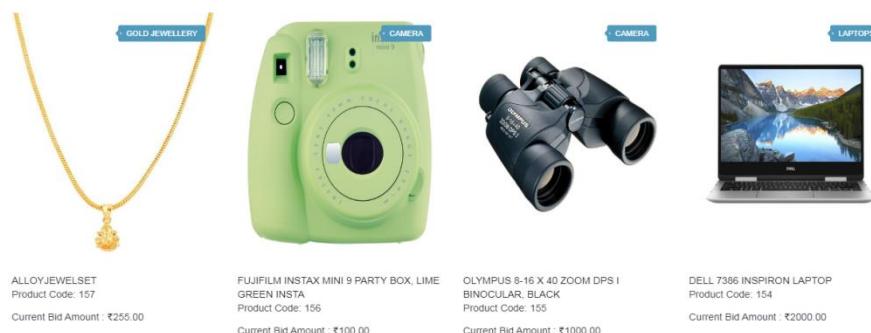
Bidding Panel

The screenshot shows a bidding interface for a product. At the top, there's a navigation bar with links for HOME, ABOUT, CONTACT, Main, Message Box, Winning Bid, My Products, and My account. Below the navigation is a search bar with a placeholder 'Enter your search key...' and a red 'Search' button. To the left of the search bar is a 'Customer Support' section with a phone icon and the number +91-9972463499. On the right, there's a 'Balance' indicator showing ₹98.70. The main content area shows a green Fujifilm Instax Mini 9 camera. To its right, the product title 'Fujifilm Instax Mini 9 Party box, Lime Green Insta' is displayed, along with a camera icon and a timer indicating 'Time Remaining: 161 days 10hrs 53min 22sec'. Below the timer, it says 'Actual product cost: ₹8000.00' and 'Current Bid Amount: ₹25.00'. There's a text input field for 'Enter Bid Amount' containing '50' and a blue 'Bid Now' button. Below the product image, there are two tabs: 'DESCRIPTION' and 'BIDDERS LIST (1)'. Under 'DESCRIPTION', there's a table with the following data:

Uploaded by :	Preetam Bhat
Product Code :	156
Product warranty :	One Year
Company :	DSL

Next to the table is a blue 'Chat with seller' button. Below the table, a note states: 'This Fujifilm Instax Mini9 Point and Shoot Cameras image is for illustration purpose only. Actual image may vary.' Further down, a note says: 'Product Delivery details : 7-10 days'.

Similar products under Camera:



The footer of the website contains several service icons and links:

- FREE DELIVERY:** Free shipping on all winning Bid.
- ONLINE SUPPORT 24X7:** Support online 24 hours.
- MONEY RETURN:** guarantee under 7 days.
- 24X7 AUCTION:** Bid 24x7 365 Days.
- SECURE BIDDING:** All cards accepted.

The footer also includes the 'Online Auction' logo, a phone number +91-9972463499, and links for 'YOUR ACCOUNT' (About Us, Contact Us) and 'GET IN TOUCH' (E-Auction address, India, Call us: +91-9972463499, Email us: contact@onlineauction.com).

At the bottom, there's a copyright notice: 'Copyright © Online Auction. All Rights Reserved' and a row of payment method icons: VISA, MasterCard, PayPal, Skrill, and Indiabank.

Select Category to Add product:

 Online Auction
Reverse Product
Users
Auction Settings
Bidding Report
Report
My account

 Customer Support:
+91-9972463499

All Categories

Enter your search key ...

 Deposit

[LATEST AUCTIONS](#) [FEATURED AUCTIONS](#) [UPCOMING AUCTIONS](#) [CLOSING AUCTIONS](#) [CLOSED AUCTIONS](#) [REVERSE BID](#)

Select category..



Mobile Phones
Mobile Phone And Accessories



Laptops
Laptops And Accessories



Camera
Camera And Accessories



Others
Other Categories



Watches
White Day And Date Watch, Which Will Never Let You Stay Behind Time.



Collectibles
#MASTERJI Ep.3
Old Coin And Notes



Tablet Phones
Tablet Phones



Gold Jewellery
Gold Jewellery



Sports And Games
Sports & Games

 **FREE DELIVERY**
Free shipping on all winning Bid

 **ONLINE SUPPORT 24X7**
Support online 24 hours

 **MONEY RETURN**
guarantee under 7 days

 **24X7 AUCTION**
Bid 24x7 365 Days

 **SECURE BIDDING**
All cards accepted

 Online Auction

 +91-9972463499

EMPLOYEE ACCOUNT

[Employee Profile](#)
[Change Password](#)
[Logout](#)

YOUR ACCOUNT

[About Us](#)
[Contact Us](#)

GET IN TOUCH

E-Auction
3rd Floor, Main Gate road, Balmatta, Mangalore.
India

Call us: +91-9972463499
Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved

Latest Auctions

[Online Auction](#)

Customer Support: +91-9972463499 All Categories Enter your search key ... Search Deposit

LATEST AUCTIONS FEATURED AUCTIONS UPCOMING AUCTIONS CLOSING AUCTIONS CLOSED AUCTIONS REVERSE BID

Latest Auctions

Mobile Phones

		
OnePlus T EXPIRED Started on 04-Mar-2021 08:42 PM Starting bid : ₹1.00 Click to Bid	OnePlus EXPIRED Started on 04-Mar-2020 08:34 PM Starting bid : ₹1.00 Click to Bid	Redmi Note 7S Time Remaining 320days 11hrs 39min 30sec Started on 06-Feb-2020 10:53 AM Starting bid : ₹25.00 Click to Bid

Laptops

		
Dell 7386 Inspiron Laptop Time Remaining 37Days 11hrs 39min 30sec Started on 24-Aug-2020 10:05 AM Starting bid : ₹2000.00 Click to Bid	Acer A315-21 Aspire 3 Laptop Time Remaining 70days 11hrs 39min 30sec Started on 04-Mar-2020 10:05 AM Starting bid : ₹100.00 Click to Bid	Lenovo Ideapad S145 8th Gen EXPIRED Started on 05-Feb-2020 10:51 AM Starting bid : ₹1.00 Click to Bid

Camera

		
Fujifilm Instax Mini 9 Party box, Lime Green Insta Time Remaining 161Days 11hrs 39min 30sec Started on 05-Feb-2020 10:55 AM Starting bid : ₹100.00 Click to Bid	Olympus 8-16 x 40 Zoom DPS I Binocular, Black Time Remaining 161Days 11hrs 39min 30sec Started on 05-Feb-2020 10:55 AM Starting bid : ₹1000.00 Click to Bid	Canon EOS R Mirrorless Digital Camera Time Remaining 161Days 11hrs 39min 30sec Started on 05-Feb-2020 10:55 AM Starting bid : ₹1.00 Click to Bid

Collectibles

		
India 1996 Complete Stamps collection Time Remaining 28Days 22hrs 27min 29sec Started on 24-Aug-2020 03:48 PM Starting bid : ₹100.00 Click to Bid	Bronze Vase China 19 Century Time Remaining 28Days 22hrs 27min 29sec Started on 24-Aug-2020 04:48 PM Starting bid : ₹200.00 Click to Bid	INDIA 2006 1000 RUPEES FIRST PREFIX SOLID NUMBER Time Remaining 28Days 22hrs 27min 29sec Started on 24-Aug-2020 04:48 PM Starting bid : ₹150.00 Click to Bid

FREE DELIVERY Free shipping on all winning Bid ONLINE SUPPORT 24X7 Support online 24 hours MONEY RETURN guarantee under 7 days 24X7 AUCTION Bid 24x7 365 Days SECURE BIDDING All cards accepted

[Online Auction](#)

+91-9972463499

Copyright © Online Auction, All Rights Reserved

VISA      

Payment Report:

 Online Auction
Reverse Product
Users
Auction Settings
Bidding Report
Report
My account

Customer Support:
+91-9972463499

All Categories

Enter your search key ...

Search

LATEST AUCTIONS
FEATURED AUCTIONS
UPCOMING AUCTIONS
CLOSING AUCTIONS
CLOSED AUCTIONS
REVERSE BID

Payment Report

Show 10 entries

Search:

Customer	Payment date	Product	Bidding	Payment type	paid amount
Hudson A K	06-Feb-2020	Canon EOS R Mirrorless Digital Camera	₹475.00	Bid	₹4.75
Hudson A K	04-Mar-2020	OnePlus 7T	₹1.00	Bid	₹0.01
Hudson A K	04-Mar-2020	OnePlus 7T	₹2.00	Bid	₹0.02
Mahesh Kumar	05-Feb-2020	Canon EOS R Mirrorless Digital Camera	₹450.00	Bid	₹4.50
Nanda Gopal	05-Mar-2020	Canon EOS 5D	₹10.00	Bid	₹0.10
Nanda Gopal	05-Mar-2020	Canon EOS 5D	₹20.00	Bid	₹5.00
Nanda Gopal	05-Mar-2020	Canon EOS 5D	₹10.00	Bid	₹15.00
Nanda Gopal	05-Mar-2020	Canon EOS 5D	₹10.00	Bid	₹15.00
Nanda Gopal	05-Mar-2020	Canon EOS 5D	₹10.00	Bid	₹15.00
Nanda Gopal	05-Mar-2020	Canon EOS 5D	₹10.00	Bid	₹15.00

Showing 1 to 10 of 30 entries

Previous 1 2 3 Next

 FREE DELIVERY
Free shipping on all winning Bid

 ONLINE SUPPORT 24X7
Support online 24 hours

 MONEY RETURN
guarantee under 7 days

 24X7 AUCTION
Bid 24x7 365 Days

 SECURE BIDDING
All cards accepted



 +91-9972463499

EMPLOYEE ACCOUNT

[Employee Profile](#)
[Change Password](#)
[Logout](#)

YOUR ACCOUNT

[About Us](#)
[Contact Us](#)

GET IN TOUCH

E-Auction
3rd Floor, Main Gate road, Balmatta, Mangalore.
India

Call us: +91-9972463499
Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved








109 | Page

View Category:

Online Auction

Customer Support: +91-9972463499

All Categories | Enter your search key... | Search | Deposit

LATEST AUCTIONS | FEATURED AUCTIONS | UPCOMING AUCTIONS | CLOSING AUCTIONS | CLOSED AUCTIONS | REVERSE BID

Home > View Category

View category

Show 10 entries | Search:

Icon	Category Name	Description	Status	Action
	Mobile Phones	Mobile Phone and Accessories	Active	Edit Delete
	Laptops	Laptops and Accessories	Active	Edit Delete
	Camera	Camera and Accessories	Active	Edit Delete
	Others	Other categories	Active	Edit Delete
	Watches	white day and date watch, which will never let you stay behind time.	Active	Edit Delete
	Collectibles	Old Coin and Notes	Active	Edit Delete
	Tablet Phones	Tablet Phones	Active	Edit Delete
	Gold Jewellery	Gold jewellery	Active	Edit Delete
	Sports and Games	Sports & Games	Active	Edit Delete

Showing 1 to 9 of 9 entries | Previous | [1](#) | Next

FREE DELIVERY | Free shipping on all winning Bid | ONLINE SUPPORT 24X7 | Support online 24 hours | MONEY RETURN | guarantee under 7 days | 24X7 AUCTION | Bid 24x7 365 Days | SECURE BIDDING | All cards accepted

 +91-9972463499

EMPLOYEE ACCOUNT | YOUR ACCOUNT | GET IN TOUCH

Employee Profile | About Us
Change Password | Contact Us
Logout | E-Auction
3rd Floor, Main Gate road, Balmatta, Mangalore.
India
Call us: +91-9972463499
Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved

VISA | MasterCard | PayPal | Skrill | American Express

View closed Biddings

Screenshot of the Online Auction website showing the 'View Closed Biddings' section.

The header includes:

- Online Auction logo
- Navigation links: Reverse Product, Users, Auction Settings, Bidding Report, Report, My account
- Customer Support: +91-9972463499
- Search bar: All Categories, Enter your search key ..., Search button
- Deposit icon

The main menu below the header includes: LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, REVERSE BID.

View Closed Biddings

Show 10 entries

Product Image	Winners List	Product name	Customer	Starting bid	Closed bid	Bidding date
	Nanda Gopal (won for ₹20.00)	Canon EOS 5D [Product category-Camera]	Surendra Karmath	₹5.00	₹15.00	05-Mar-2020 06:18 PM - 15-Mar-2020 06:18 PM
	Rajesh Krishna (won for ₹12.00)	OnePlus 7T [Product category-Mobile Phones]	Akash Sharma	₹1.00	₹2000.00	04-Mar-2020 09:18 PM - 08-Mar-2020 09:18 PM
	(won for ₹433)	OnePlus 7T [Product category-Mobile Phones]	Prayag Raj	₹100.00	₹433.00	04-Mar-2020 09:15 PM - 05-Mar-2020 09:15 PM

View Customer

The screenshot shows the 'View Customer' page of the Online Auction website. At the top, there is a navigation bar with links for Reverse Product, Users, Auction Settings, Bidding Report, Report, and My account. Below the navigation bar, there is a search bar with a placeholder 'Enter your search key ...' and a red 'Search' button. To the left of the search bar is a phone icon with the text 'Customer Support: +91-9972463499'. On the right side of the header is a shopping bag icon labeled 'Deposit'. Below the header, there is a menu bar with links for LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID. The main content area has a breadcrumb navigation: Home > View Customer. The title 'View Customer' is displayed above a table. The table has columns for Customer Name, email, address, landmark, mobile no, Status, and Action. There are 7 entries in the table, each with edit and delete buttons. The entries are as follows:

Customer Name	email	address	landmark	mobile no	Status	Action
Hudson A K	hudsonak@gmail.com	Near Syndicate Circle, opp. Domino's Pizza, Manipal, Manipal-576104, Karnataka	Near KMC Hospital	7894561230	Active	Edit Delete
Mahesh Kumar	maheshkumar@gmail.com	3rd floor, city light building, Mangalore-575003, Karnataka	Khazana Jeweller	8217727968	Active	Edit Delete
Manish Kumar	manishkumar@gmail.com	Adi-udipi, Karnataka 576102, Mangalore-575003, Karnataka	Adi-udipi	8217727968	Active	Edit Delete
Manthesh kumar	mantheshkumar@gmail.com	No.52, Jyoti Nivas College, 5th Block, Koramangala, Bengaluru-560095, Karnataka	Premises of Tibetan Kitchen	9874563210	Active	Edit Delete
Nanda Gopal	nandagopal@gmail.com	Apartment no. 02, 1st Cross Rd, Shastri Nagar, Ballari-583103, Karnataka	RH Road	9986055414	Active	Edit Delete
Preetham Bhat	preethambhat@gmail.com	Balmatta Junction, Near Collector's Gate, Mangalore-575002, Karnataka	RTO Junction	9874563210	Active	Edit Delete
Rajesh Krishna	rajeshkrishna@gmail.com	Junction, Bendoorwell, Kankanady, Mangalore-575002, Karnataka	Junction Road	7894561230	Active	Edit Delete

Showing 1 to 7 of 7 entries

Previous 1 Next

The footer section of the website includes several service icons: FREE DELIVERY (Free shipping on all winning Bid), ONLINE SUPPORT 24X7 (Support online 24 hours), MONEY RETURN (guarantee under 7 days), 24X7 AUCTION (Bid 24x7 365 Days), and SECURE BIDDING (All cards accepted).

Online Auction

Employee Account

- [Employee Profile](#)
- [Change Password](#)
- [Logout](#)

Your Account

- [About Us](#)
- [Contact Us](#)

Get In Touch

- E-Auction
3rd Floor, Main Gate road, Balmatta, Mangalore, India
- Call us: +91-9972463499
- Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved

View Employee

The screenshot shows the 'View Employee' page of the Online Auction website. At the top, there is a navigation bar with links for Reverse Product, Users, Auction Settings, Bidding Report, Report, and My account. Below the navigation bar, there is a search bar with a placeholder 'Enter your search key ...' and a 'Search' button. To the left of the search bar is a customer support icon with the text 'Customer Support: +91-9972463499'. On the right side of the header is a shopping cart icon labeled 'Deposit'. Below the header, there is a menu bar with links for LATEST AUCTIONS, FEATURED AUCTIONS, UPCOMING AUCTIONS, CLOSING AUCTIONS, CLOSED AUCTIONS, and REVERSE BID. The main content area has a title 'View Employee' and a table showing three employee entries:

Employee Name	Employee type	Login ID	Status	Action
Administrator	Admin	admin	Active	Edit Delete
Anand	Admin	anand	Active	Edit Delete
Employee	Employee	employee	Active	Edit Delete

Below the table, it says 'Showing 1 to 3 of 3 entries'. On the right, there are buttons for 'Previous' (disabled), '1', and 'Next'.

The footer of the website contains several service icons and links:

- FREE DELIVERY**: Free shipping on all winning Bid
- ONLINE SUPPORT 24X7**: Support online 24 hours
- MONEY RETURN**: guarantee under 7 days
- 24X7 AUCTION**: Bid 24x7 365 Days
- SECURE BIDDING**: All cards accepted

On the left, there is a logo for 'Online Auction' and a phone number '+91-9972463499' with a call icon.

In the center, there are links for Employee Account (Employee Profile, Change Password, Logout) and Your Account (About Us, Contact Us).

On the right, there is a 'GET IN TOUCH' section with contact information: E-Auction, 3rd Floor, Main Gate road, Balmatta, Mangalore, India. Call us: +91-9972463499. Email us: contact@onlineauction.com

At the bottom, there is a copyright notice 'Copyright © Online Auction. All Rights Reserved' and a row of payment method icons: VISA, MasterCard, PayPal, Skrill, American Express, and VISA Electron.

View transaction Report

Online Auction

HOME ABOUT CONTACT Main Message Box Winning Bid My Products My account

Customer Support: +91-9972463499 All Categories Enter your search key ... Search Balance ₹99.75

LATEST AUCTIONS FEATURED AUCTIONS UPCOMING AUCTIONS CLOSING AUCTIONS CLOSED AUCTIONS REVERSE BID

View Transaction Report

Show 10 entries Search:

Bill No.	Paid date	Deposit amount	Payment type	Action
1349	2020-08-27	100.00	Sell	Print
1350	2020-08-27	100.00	Deposit	Print

Showing 1 to 2 of 2 entries Previous 1 Next

FREE DELIVERY Free shipping on all winning Bid ONLINE SUPPORT 24X7 Support online 24 hours MONEY RETURN guarantee under 7 days 24X7 AUCTION Bid 24x7 365 Days SECURE BIDDING All cards accepted

Online Auction

YOUR ACCOUNT About Us Contact Us

GET IN TOUCH E-Auction 3rd Floor, Main Gate road, Balmatta, Mangalore. India Call us: +91-9972463499 Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved

VISA MasterCard PayPal Skrill American Express VISA Electron

My bidding List

The screenshot shows the header of the website with the logo 'Online Auction', navigation links for 'HOME', 'ABOUT', 'CONTACT', and account links for 'Main', 'Message Box', 'Winning Bid', 'My Products', and 'My account'. Below the header is a search bar with 'Customer Support: +91-9972463499', dropdown menus for 'All Categories' and 'Search', and a balance indicator of '₹99.75'. A navigation menu at the bottom includes 'LATEST AUCTIONS', 'FEATURED AUCTIONS', 'UPCOMING AUCTIONS', 'CLOSING AUCTIONS', 'CLOSED AUCTIONS', and 'REVERSE BID'.

My bidding list

Fujifilm Instax Mini 9 Party box, Lime Green Insta
Product Code : 156



Time Remaining
161 Days 10hrs 49min 38sec

Bid Amount : ₹100.00

[Bid Now](#)

Product Code : 156

Current Bid Amount : ₹100.00

My biddings for this product:

Surendra kumar bid ₹25.00 on 2020-08-27 18:36:22

[Bid Now](#)



FREE DELIVERY
Free shipping on all winning Bid



ONLINE SUPPORT 24X7
Support online 24 hours



MONEY RETURN
guarantee under 7 days



24X7 AUCTION
Bid 24x7 365 Days



SECURE BIDDING
All cards accepted



Online Auction



+91-9972463499

YOUR ACCOUNT

About Us
Contact Us

GET IN TOUCH

E-Auction
3rd Floor, Main Gate road, Balmatta,
Mangalore.
India
Call us: +91-9972463499
Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved

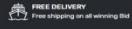
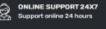
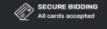


View Customers

View Winner							
Customer		Product	Winners image	Winning bid	End date	Status	Action
Hudson A K		OnePlus 7T		26.00	2020-03-04	Active	Edit Delete
Mahesh Kumar		Redmi Note 7S		515.00	2020-03-05	Active	Edit Delete
Manish Kumar		Bronze Vase China 19 Century		1200.00	2020-03-05	Active	Edit Delete
Manthesh kumar		Lenovo Ideapad S145 8th Gen		545.00	2020-03-05	Active	Edit Delete
Nanda Gopal		INDIA 2006 1000 RUPEES FIRST PREFIX SOLID NUMBER		15.00	2020-03-05	Active	Edit Delete
Prateek shetty		India 1996 Complete Stamps collection		665.00	2020-03-05	Active	Edit Delete
Preetam Bhat		Canon EOS R Mirrorless Digital Camera		515.00	2020-03-05	Active	Edit Delete
Rajesh Krishna		Xiaomi Redmi Note 8		440.00	2020-02-13	Active	Edit Delete
Suraj Mishra		Canon EOS 5D		25.00	2020-03-05	Active	Edit Delete
Susheel kumar		1853 USA 1 Cent Liberty Head coin		368.00	2020-03-05	Active	Edit Delete

Showing 1 to 10 of 10 entries

Previous 1 Next

 Free shipping on all winning Bid
 ONLINE SUPPORT 24X7
 MONEY RETURN
 24X7 AUCTION
 SECURE BIDDING

 **EMPLOYEE ACCOUNT**
[Employee Profile](#)
[Change Password](#)
[Logout](#)

 **YOUR ACCOUNT**
[About Us](#)
[Contact Us](#)

 **GET IN TOUCH**
E-Auction
3rd Floor, Main Gate road, Balmatta, Mangalore,
Karnataka, India
Call us: +91-9972463499
Email us: contact@onlineauction.com

Copyright © Online Auction. All Rights Reserved

 VISA     

CHAPTER-9

USER MANUAL

9.USER MANUAL

9.1 INTRODUCTION

Online Auction is a special website application which allows the customers to bid the amount and purchase the products which he want to buy. The customer need to bid the amount with a given time . After the time gets over the product will be sold to the highest bid done by the customer.

9.2 Software Interfaces:

- **Development tool:** PHP : Hypertext Preprocessor, JavaScript, Ajax
- **Scripting server:** Apache server
- **Data Base server:** MySQL
- **IDE:** Adobe Dreamweaver CS 6.0 / Notepad++

9.3 User classes and characteristics

- Customer
- Employee

9.4 Design and implementation constraints:

The system needs following tables under online auction database:

- Billing
- Bidding
- Category
- Customer
- Employee
- Message
- Payment
- Product
- Winner

9.5 Functional Requirements:

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

This module has following sub modules:

- Login module
- Registration module

Customer account module: In the customer account module customer can view his own bidding details, Purchase report, auction winning report, etc. Even the customer can change his password and he can update the password in the account section.

This module has following sub modules:

- Customer account
- Customer profile
- Change password
- Update profile
- View bidding details
- View auction records

Product list module: This module allows sellers to add auction products. This collects information like product name, product category, product detail, product image, Start bid, Sale price, Bidding start date and end date from seller.

This module has following sub modules:

- Add product
- Product list module
- Update product

Category module: Before uploading product Customer should select category details. In the website product displays under the category list. Only administrator can add category records.

This module has following sub modules:

- Add category
- View category

Search module: In this module customer can search for particular products. After searching the system display records in the search list.

This module has following sub modules:

- Search product list
- View product list

Bidding Module: In the bidding module customer can bid for products. Customer can select any item and they can bid for the product.

This module has following sub modules:

- Product Bidding module
- View bidders
- View bidding records

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

This module has following sub modules:

- Purchase product
- View purchase detail

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

This module has following sub modules:

- Compose message
- View sent messages
- View Received messages

Report module: This module is for administrator to check sales report, product report, auction report, payment report, etc.

This has following sub modules

- View customers
- View messages
- View bidding items
- View winners list

Dashboard module: This dashboard module is for administrator and employees. Admin has full authority of the website and employee has limited authority.

This module has following sub modules:

- View dashboard
- View profile
- Update profile
- Change password

Settings module: Here administrator can add employees, categories, website settings, etc.

- Add employees
- View employees
- Add category
- View category

CHAPTER-10

CONCLUSION

10.CONCLUSION

So, from above all elaboration here in short we would say online auction system will give new approaches and dimensions to the auction system .It will encourage both buyers and sellers to participate in auction process. Removes geographical boundaries, location constraints and time constraints. It is a transparent process with no mutual work. Finally, online auction has become other 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 the affordable price. Buyers can buy the product at their own affordable price.

CHAPTER-11

FUTURE ENHANCEMENT

11.FUTURE ENHANCEMENT

The future enhancement to the system can be made as technology improves or changes.

- In future we can integrate this web application with mobile apps.
- We can add gaming bid features in future.
- Currently this system supports India rupee currency. In future upgradation we can add multiple currencies.
- We can Add bidding system for Agriculture produces which helps farmers to sell for best auction price.
- We can add GPS features where buyer can track seller location

CHAPTER-12

BIBLIOGRAPHY

12.BIBLIOGRAPHY

REFERENCES:

- www.w3schools.com
- www.tutorialspoint.com
- www.stackoverflow.com
- Web Database Applications with PHP and MySQL By Hugh E. Williams, David Lane
- An integrated approach to Software Engineering By Pankaj Jalote