

Dissertation on

Wholesale Management System

Submitted in partial fulfillment of the requirement for the award of degree of

Bachelor of Technology

In

Computer Science and Engineering

By

Mr. SUJIT KUMAR MUNDA

University Reg. No. : 18020445003

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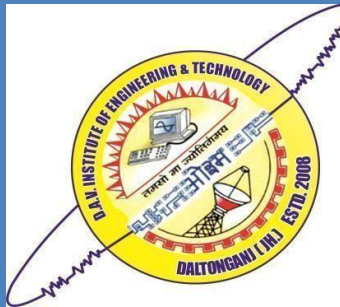
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Under the guidance of

Mr. Kanchan Dipu

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DAV Institute of Engineering & Technology, Medininagar(Daltonganj)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DAV INSTITUTE OF ENGINEERING TECHNOLOGY

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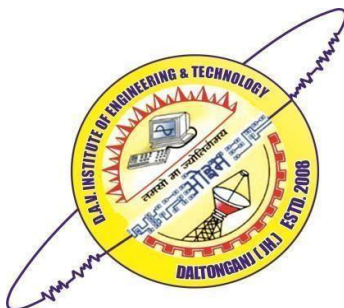
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**JHARKHAND UNIVERSITY OF TECHNOLOGY, RANCHI,
JHARKHAND**

CERTIFICATE

This is to certify that **Mr. Sujit Kumar Munda** bearing University Registration No. **18020445003** & **Mr. Rahul Kumar Dubey** bearing University Reg. No. **18020445002** has successfully carried out his/her B.Tech. Major Project entitled “**Wholesale Management System**” under the guidance of **Mr. Kanchan Dipu**. This dissertation is an authentic record, carried out as requirements for the award of Bachelor of Technology in Computer Science Engineering, during academic year 2021-22.

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I would also like to convey my gratitude to all the faculty members and staffs of the Department of Computer Science and Engineering, DAVIET for their whole hearted cooperation to make this work turn into reality.

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DECLARATION

I hereby declare that the project work is an authentic record of my work carried out for the partial fulfillment of the requirement for the award of the degree of **“Bachelor of Technology”** in **“Computer Science and Engineering”** at **“DAV Institute of Engineering and Technology, Medininagar”** under the guidance of ***Mr. Kanchan Dipu*** (Assistant Professor), Department of Computer Science and Engineering, DAV Institute of Engineering and Technology Medininagar.

Mr. SUJIT KUMAR MUNDA

UNIVERSITY REG. NO. 18020445003

B.TECH (COMPUTER SCIENCE AND ENGINEERING)

SESSION: 2018-2022

DAV IET, MEDININAGAR, PALAMU JHARKHAND

Mr. RAHUL KUMAR DUBEY

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B.TECH (COMPUTER SCIENCE AND ENGINEERING)

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DAV IET, MEDININAGAR, PALAMU, JHARKHAND

Date :

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PROJECT SYNOPSIS

Title:-WholeSale Management System

Wholesale management system is the process of buying the stocks from the buyers and then selling it to the customers. It acts as a middle person between the buyers and the sellers. The manager has to buy the stock from the buyers. Managing the details that is regarding the whole sale is not possible to be kept in track through the pen paper mode. It requires the database system where we can store the information of the people involved in the whole sale system management. It can be stored clearly in the database with more precision and can avoid the redundant data.

Objective:

The objective of this Website is to provide Small Whole Sale businesses to client through online mode. This will help the user to have different type of Whole Sale management services etc.

Tools and technology specification:-

SOFTWARE REQUIREMENTS:

- Operating System – Windows 7/8/10 (32-bit or 64-bit).
- Front End: HTML5, CSS, BOOTSTRAP
- Web hosting
 - WAMP (Windows)
 - LAMP (Linux)
 - XAMP (Multi-platform)
 - MAMP (Macintosh)
- Database.
- Php
- Operating System – Cross-platform
- Browser Support – IE (Internet Explorer 11+), Firefox, Google chrome, Safari, Opera
- PHP Compatibility – PHP 5.2+

MOBILE SPECIFICATION REQUIREMENTS:

- Operating System – Android Version 4.4 (KitKat API 19) and later.
- Minimum 512 MB RAM.
- Maximum 100 MB Storage space.

TECNOLOGY USED:

PHP: The **PHP Hypertext Preprocessor (PHP)** is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications.

MySQL: -MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company.

1. PROJECT DESCRIPTION

Introduction

In most developing countries such as ours, wholesale businesses are still managed using a pen and paper methodology even with the advent of the age of technology and internet. This can sometimes lead to inefficient handling of day-to-day business matters and can also lead to security threats to the business due to the presence of physical records.

This project aims to develop sales management web application for a wholesale business to improve the efficiency and security of the business. The lightweight nature of the web application makes it ideal for small businesses which cannot afford the expensive alternatives present in the market.

The Wholesale Management System (WMS) has an administrator login for the wholesaler with built-in features to keep a check on the sales and the inventory so as to efficiently run the sales division. The customers and suppliers of the wholesale business can also be registered so as to ensure the smooth functioning of sales. There is also a customer login option which helps the customer in monitoring his purchases from the wholesaler. By having the above features, the WMS greatly simplifies the daily functioning of the business.

Since, many developed countries already use such software to speed up daily business activities; a lot of information is available in the public domain regarding the desirable structure of such software. We have used this information to design and model our project.

1.2 PHP

The **PHP Hypertext Preprocessor (PHP)** is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. This tutorial helps you to build your base with PHP.

1.3 Why to Learn PHP?

PHP started out as a small open source project that evolved as more and more people found out how useful it was. Rasmus Lerdorf unleashed the first version of PHP way back in 1994.

PHP is a **MUST** for students and working professionals to become a great Software Engineer specially when they are working in Web Development Domain. I will list down some of the key advantages of learning PHP:

- PHP is a recursive acronym for "PHP: Hypertext Preprocessor".
- PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.
- It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.
- PHP is pleasingly zippy in its execution, especially when compiled as an Apache module on the Unix side. The MySQL server, once started, executes even very complex queries with huge result sets in record-setting time.
- PHP supports a large number of major protocols such as POP3, IMAP, and LDAP. PHP4 added support for Java and distributed object architectures (COM and CORBA), making n-tier development a possibility for the first time.
- PHP is forgiving: PHP language tries to be as forgiving as possible.
- PHP Syntax is C-Like.

1.4 Characteristics of PHP

Five important characteristics make PHP's practical nature possible –

- Simplicity
- Efficiency
- Security
- Flexibility
- Familiarity

1.5 Applications of PHP

As mentioned before, PHP is one of the most widely used language over the web. I'm going to list few of them here:

- PHP performs system functions, i.e. from files on a system it can create, open, read, write, and close them.
- PHP can handle forms, i.e. gather data from files, save data to a file, through email you can send data, return data to the user.
- You add, delete, modify elements within your database through PHP.
- Access cookies variables and set cookies.
- Using PHP, you can restrict users to access some pages of your website.
- It can encrypt data.

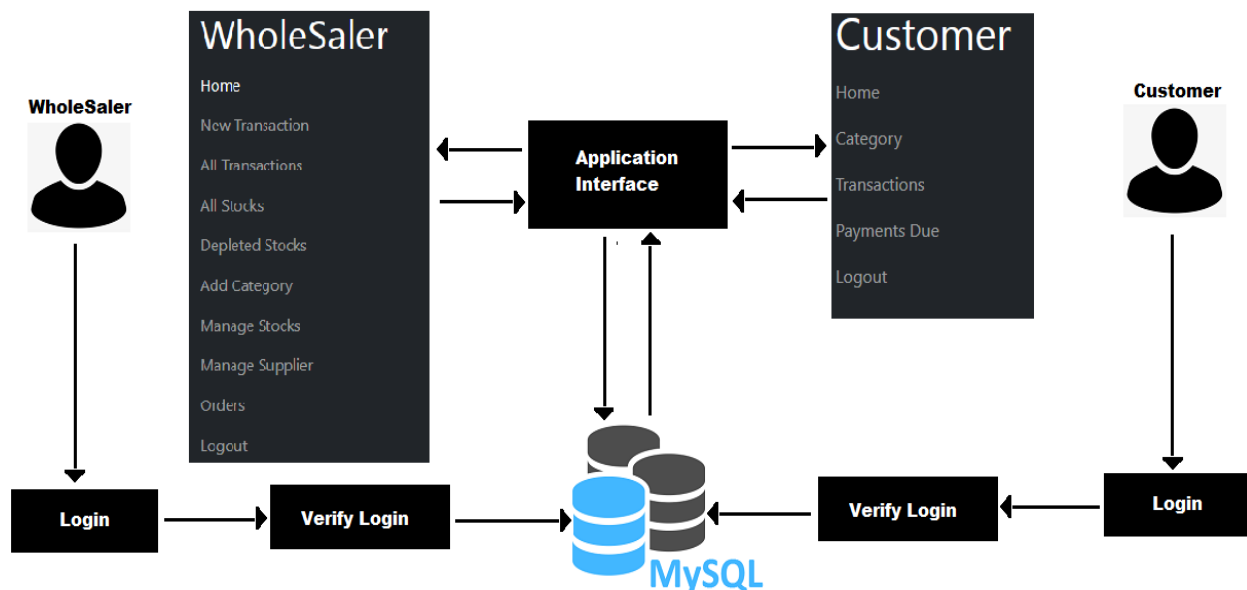
2. PROPOSED SYSTEM

2.1 Description

Wholesale management system is the process of buying the stocks from the buyers and then selling it to the customers. It acts as a middle person between the buyers and the sellers. The manager has to buy the stock from the buyers. Managing the details that is regarding the whole sale is not possible to be kept in track through the pen paper mode. It requires the database system where we can store the information of the people involved in the whole sale system management. It can be stored clearly in the database with more precision and can avoid the redundant data.

The wholesale management database system can contain the details of the stock that is brought from the buyers like id, name, quantity etc. The information of the buyers like buyer id, name, stock, address, contact number etc can be collected and stored in the database. The manager is responsible for collecting all these information regarding the buyers. In case of any complaints about the stock that is purchased from the particular buyer then you will be able to contact him at ease. There will be customers who will be having the pending bills that need to be cleared and can be contacted about the pending payment. The profit per month is calculated after deducting all the expenditures spent. So the profit of every month can also be stored. If you want to know the profit gained five years back, you can get it done through this database. Quantity cannot be sold to the customer if the amount is not present in the stock. The date of delivery can be maintained up to which the stock can be provided.

2.2 System Architecture



2.3 Modules Implemented

- **Stocks management system:** The details of the stocks that are present or available can be easily maintained through this application.
- **Customers database management:** The details of the customers like name, customer id, address, contact number who buys the stock that is purchased can also be stored.
- **Sales management:** The sales that have taken place on the particular day or month can be calculated through this application.

3. SYSTEM DESIGN

3.1 Data Flow Diagram:

Data-flow diagrams (DFDs) model a perspective of the system that is most readily understood by users – the flow of information through the system and the activities that process this information.

Data-flow diagrams provide a graphical representation of the system that aims to be accessible to computer specialist and non-specialist users alike. The models enable software engineers, customers and users to work together effectively during the analysis and specification of requirements. Although this means that our customers are required to understand the modeling techniques and constructs, in data-flow modeling only a limited set of constructs are used, and the rules applied are designed to be simple and easy to follow. These same rules and constructs apply to all data-flow diagrams (i.e., for each of the different software process activities in which DFDs can be used).

The benefits of data-flow diagrams

Data-flow diagrams provide a very important tool for software engineering, for a number of reasons:

- The system scope and boundaries are clearly indicated on the diagrams (more will be described about the boundaries of systems and each DFD later in this chapter).
- The technique of decomposition of high-level data-flow diagrams to a set of more detailed diagrams provides an overall view of the complete system, as well as a more detailed breakdown and description of individual activities, where this is appropriate, for clarification and understanding.

Levels in Data Flow Diagrams (DFD)

The DFD may be used to perform a system or software at any level of abstraction. In fact, DFDs may be partitioned into levels that represent increasing information flow and functional detail.

Levels in DFD are numbered 0, 1, 2 or beyond. Here, we will see primarily three levels in the data flow diagram, which are: 0-level DFD, 1-level DFD, and 2-level DFD.

0-level DFD

It is also known as fundamental system model, or context diagram represents the entire software requirement as a single bubble with input and output data denoted by incoming and outgoing arrows. Then the system is decomposed and described as a DFD with multiple bubbles. Parts of the system represented by each of these bubbles are then decomposed and documented as more and more detailed DFDs. This process may be repeated at as many levels as necessary until the program at hand is well understood. It is essential to preserve the number of inputs and outputs between levels, this concept is called levelling by **DeMarco**.

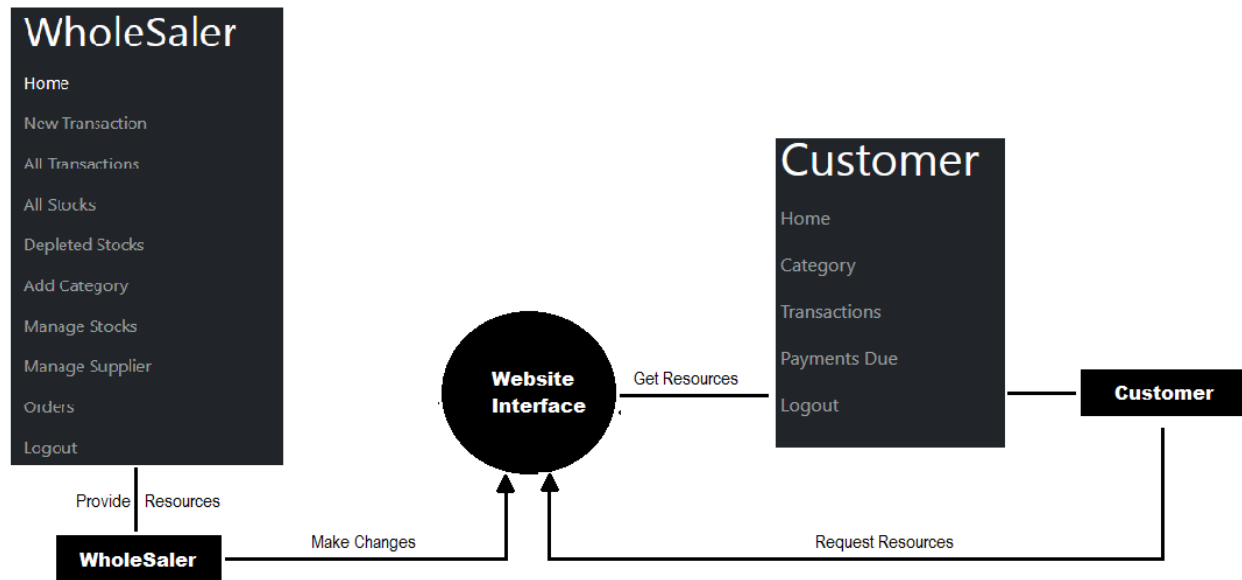
1-level DFD

In 1-level DFD, a context diagram is decomposed into multiple bubbles/processes. In this level, we highlight the main objectives of the system and breakdown the high-level process of 0-level DFD into subprocesses.

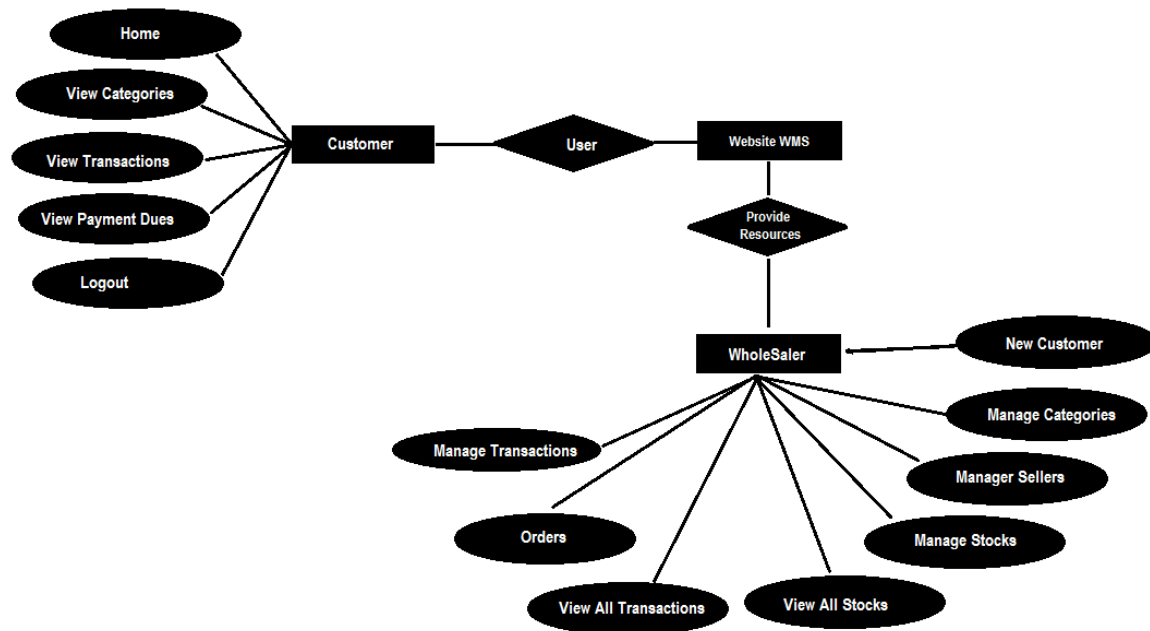
3.1.1 DFD Level 0:-



3.1.2 DFD Level 1:-



3.2 ER Diagram

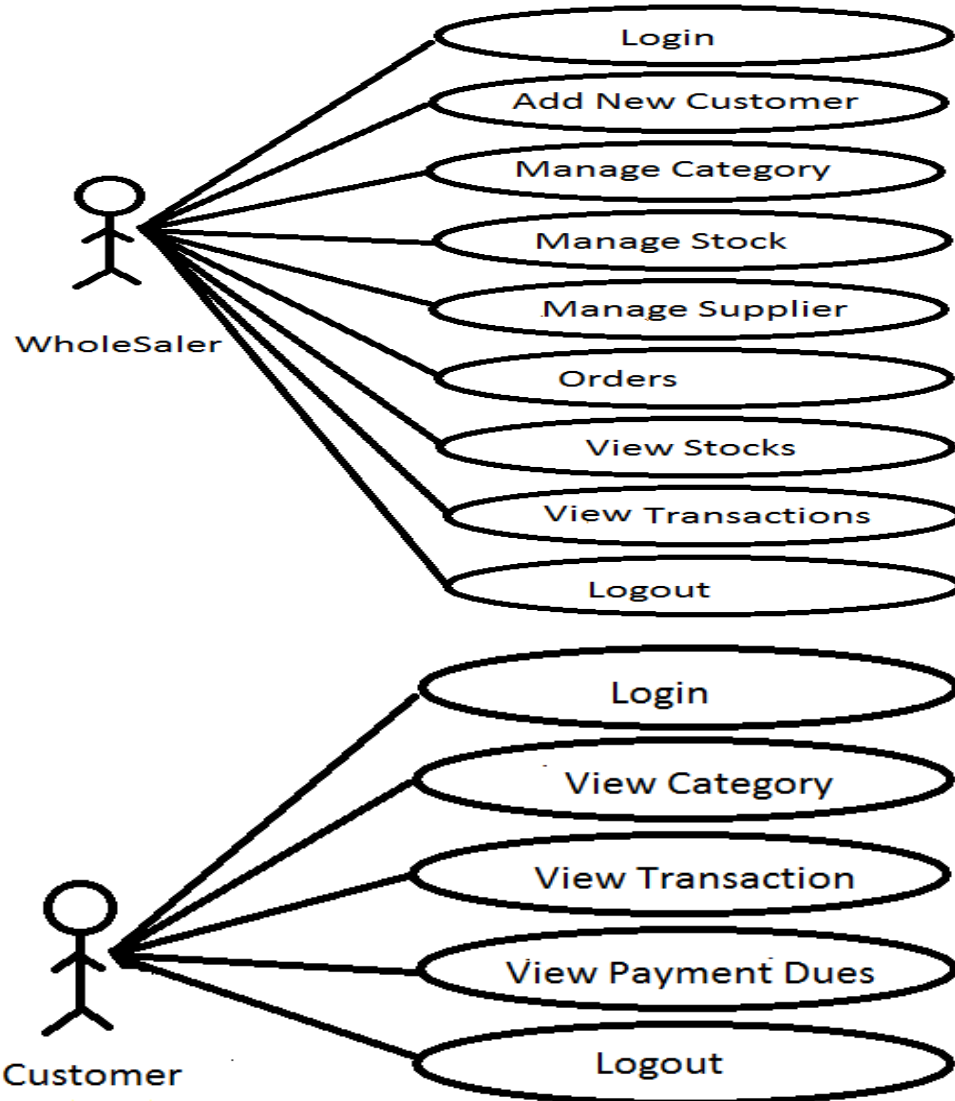


3.3 Use Case Diagram

The purpose of use case diagram is to capture the dynamic aspect of a system. However, this definition is too generic to describe the purpose, as other four diagrams (activity, sequence, collaboration, and State chart) also have the same purpose. We will look into some specific

purpose, which will distinguish it from other four diagrams. Use case diagrams are used to gather the requirements of a system including internal and external influences. These requirements are mostly design requirements. Hence, when a system is analyzed to gather its functionalities, use cases are prepared and actors are identified.

When the initial task is complete, use case diagrams are modeled to present the outside view.

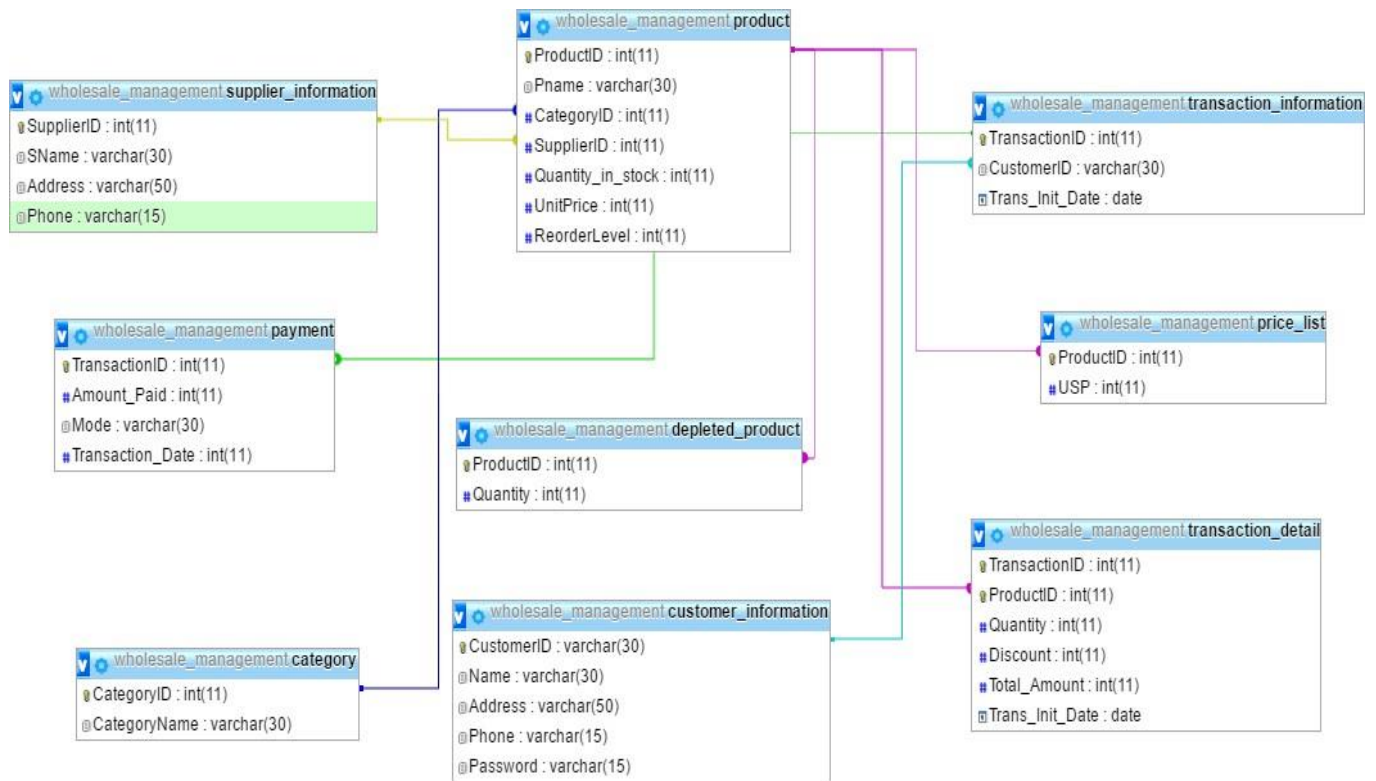


3.4 Flow chart

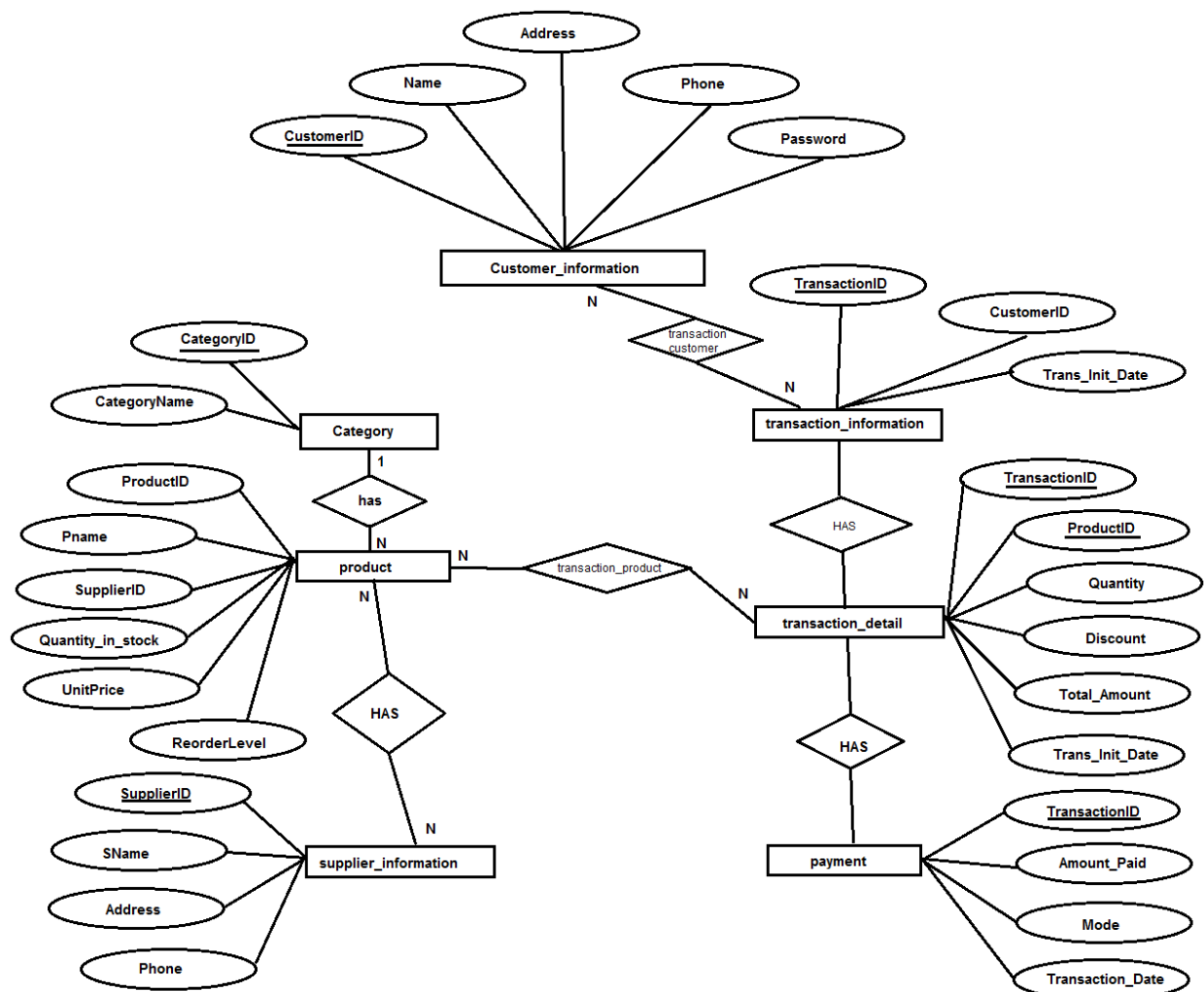
A **flowchart** is simply a graphical representation of steps. It shows steps in sequential order and is widely used in presenting the flow of algorithms, workflow or processes. Typically, a **flowchart** shows the steps as boxes of various kinds, and their order by connecting them with arrows.

4. DATABASE DESGIN

4.1 Relational Model



4.2 ER Diagram



4.3 Tables

category

Field	Type	Null	Key	Default	Extra
CategoryID	int(11)	NO	PRI	NULL	
CategoryName	varchar(30)	NO		NULL	

depleted_product

Field	Type	Null	Key	Default	Extra
ProductID	int(11)	NO	PRI	NULL	
Quantity	int(11)	NO		NULL	

payment

Field	Type	Null	Key	Default	Extra
TransactionID	int(11)	NO	PRI	NULL	
Amount_Paid	int(11)	NO		NULL	
Mode	varchar(30)	NO		NULL	
Transaction_Date	int(11)	NO		NULL	

customer_information

Field	Type	Null	Key	Default	Extra
CustomerID	varchar(30)	NO	PRI	NULL	
Name	varchar(30)	NO		NULL	
Address	varchar(50)	NO		NULL	
Phone	varchar(15)	NO		NULL	
Password	varchar(15)	NO		NULL	

price_list

Field	Type	Null	Key	Default	Extra
ProductID	int(11)	NO	PRI	NULL	
USP	int(11)	NO		NULL	

supplier_information

Field	Type	Null	Key	Default	Extra
SupplierID	int(11)	NO	PRI	NULL	
SName	varchar(30)	NO		NULL	
Address	varchar(50)	NO		NULL	
Phone	varchar(15)	NO		NULL	

product

Field	Type	Null	Key	Default	Extra
ProductID	int(11)	NO	PRI	NULL	
Pname	varchar(30)	NO		NULL	
CategoryID	int(11)	NO	MUL	NULL	
SupplierID	int(11)	NO	MUL	NULL	
Quantity_in_stock	int(11)	NO		NULL	
UnitPrice	int(11)	NO		NULL	
ReorderLevel	int(11)	NO		NULL	

transaction_information

Field	Type	Null	Key	Default	Extra
TransactionID	int(11)	NO	PRI	NULL	auto_increment
CustomerID	varchar(30)	NO	MUL	NULL	
Trans_Init_Date	date	NO		NULL	

transaction_detail

Field	Type	Null	Key	Default	Extra
TransactionID	int(11)	NO	PRI	NULL	
ProductID	int(11)	NO	PRI	NULL	
Quantity	int(11)	NO		NULL	
Discount	int(11)	NO		0	
Total_Amount	int(11)	NO		NULL	
Trans_Init_Date	date	NO		NULL	

whole_saler

Field	Type	Null	Key	Default	Extra
id	int(11)	NO	PRI	NULL	auto_increment
name	varchar(50)	NO		NULL	
phone	bigint(10)	NO		NULL	
email	varchar(50)	NO		NULL	
password	varchar(50)	NO		NULL	

Applications

There are two types of accounts: Administrator and Customer.

Features for the Administrator:

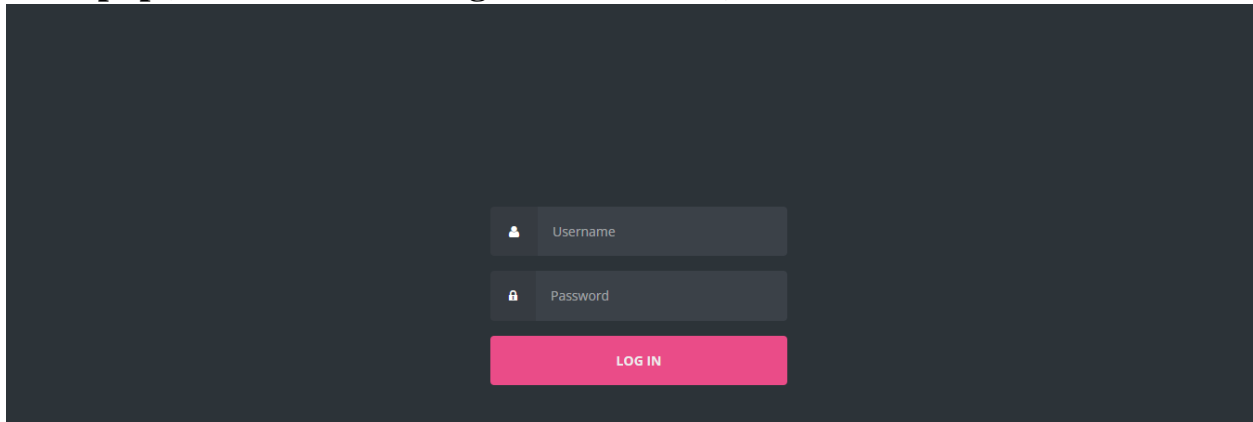
- Add/Update Product Details by accessing them category-wise.
- Add/Update Supplier Details
- Add/Update Customer Details
- Stock Maintenance by having a look at the depleted stocks and so forth.
- View all the transactions taken place in a specified time period.
- Add a new transaction to the system as it happens offline and store the payment details accordingly.
- Generate a bill for any past transaction using its unique TransactionID if required.

Features for the customer:

- View all the transaction done by the logged-in customer for a specified time period.
- Search through the available products category-wise.
- Generate bills for any previous transaction done by the customer.

Whole Saler

index.php(for WholeSaler Login Screenshot)



index.php(Code)

```
<?php
    session_start();
    $_SEESION["pass"] = "True";
?>
<!DOCTYPE html>
<html>

<head>
    <meta charset="UTF-8">
    <title>Login Page Wholesale</title>
    <link rel="stylesheet" href="css/style.css">
</head>

<body>

    <body class="align">

        <div class="site__container">

            <div class="grid__container">

                <form action="login_validation.php" method="post" class="form form--login">

                    <div class="form__field">
                        <label class="fontawesome-user" for="login__username"><span
```

```

        class="hidden">Username</span></label>
        <input id="login__username" name="userid" type="text" class="form__input"
placeholder="Username"
        required>
    </div>

    <div class="form__field">
        <label class="fontawesome-lock" for="login__password"><span
        class="hidden">Password</span></label>
        <input id="login__password" name="pass" type="password"
class="form__input"
        placeholder="Password" required>
    </div>

    <div class="form__field">
        <input type="submit" name="Login" value="Log In">
    </div>

</form>
</div>

</div>
</body>
</html>

```

Login_validation.php(Code)

```

<?php
if(isset($_POST["Login"]))
{
    session_start();
    //The above line connects to the database of the myphpadmin
    $conn = mysqli_connect("localhost","root","","WholeSale_Management");
    echo "Connected to the database of the host....".<br>";
    //IF the connection doesnot connect then error message is being showed...
    if (!$conn)
    {
        die("Connection is failed: ".mysqli_connect_error());
    }

    //Taking the Input form the website

    if ($_SERVER['REQUEST_METHOD']=='POST'){
        $loginname = $_POST['userid'];

```

```

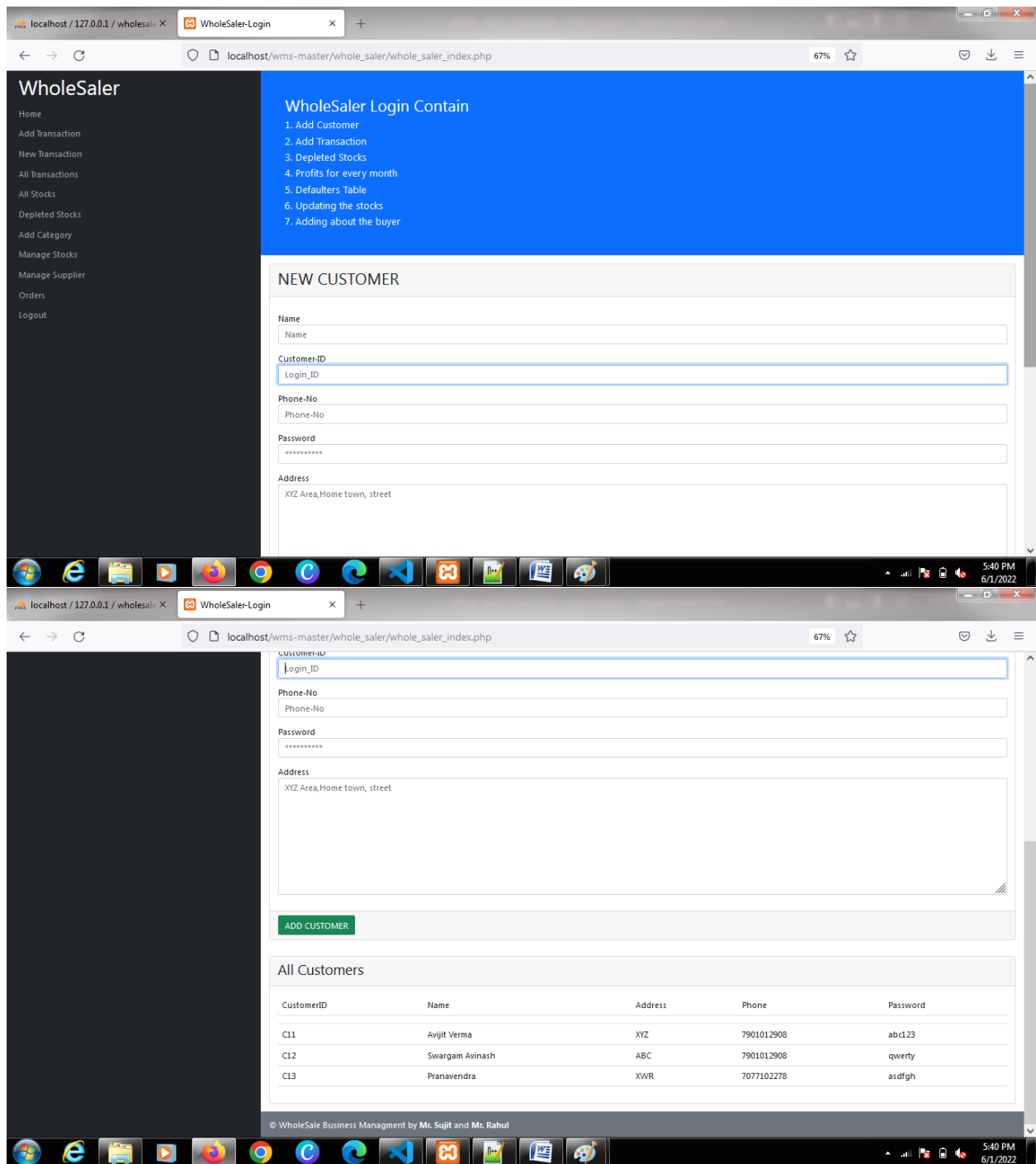
    $loginpass = $_POST['pass'];
    $sql = "SELECT * FROM whole_saler WHERE email = '$loginname' and password =
'$loginpass'";

    //For getting the results of the querys
    $result = mysqli_query($conn,$sql);

    if(!$row = mysqli_fetch_assoc($result))//checks if the result has selected any of the
rows...
    {
        echo "Your UserName or password is incorrect";
        $_SESSION["pass"] = "False";
        header("Location:index.php");
    }
    else
    {
        $_SESSION['Login'] = "Active";
        $_SESSION['WID'] = $row['ID'];
        header("Location: whole_saler_index.php");
    }
}
}
?>

```

whole_saler_index.php(Screenshot)



whole_saler_index.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
```



```

    header("location:loginPage.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <?php include('wholesaler_navigation.php');?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('wholesaler_login_contain.php');?>

                <!-- <a href="#" class="button">Read more</a>
                        <a href="#" class="button button-reversed">Comments</a> -->
                <!--IN THIS FIELD WE CAN ADD THE CUSTOMER..-->

                <div class="container-fluid p-3">
                    <div class="card m-0">
                        <form action="add_customer.php" method="POST">
                            <div class="card-header">
                                <h2>NEW CUSTOMER</h2>
                            </div>
                            <div class="card-body">
                                <div class="mb-3 mt-3">
                                    <label for="name">Name</label>
                                    <input type="text" class="form-control" name="Cname" id="name"
placeholder="Name"
                                    required />
                                </div>
                                <div class="mb-3">
                                    <label for="CustomerID">Customer-ID</label>
                                    <input type="text" class="form-control" name="CustomerID"
id="CustomerID"
                                    placeholder="Login_ID" required />
                                </div>
                                <div class="mb-3">

```

```

        <label for="Phone">Phone-No</label>
        <input type="text" class="form-control" name="Phone" id="Phone"
            placeholder="Phone-No" required />
    </div>
    <div class="mb-3">
        <label for="password">Password</label>
        <input type="password" class="form-control" name="Password"
            id="password"
            placeholder="*****" required />
    </div>
    <div class="mb-3">
        <label for="Address">Address</label>
        <textarea class="form-control" cols="60" rows="8" name="Address"
            id="Address"
            placeholder="XYZ Area,Home town, street" required></textarea>
    </div>

</div>

<div class="card-footer">
    <input type="submit" name="ADD" class="btn btn-success" value="ADD
CUSTOMER" />
</div>
</form>
</div>
</div>
<div class="container-fluid p-3">
    <div class="card">
        <div class="card-header">
            <p class="h3">All Customers</p>
        </div>
        <div class="card-body">
            <table class="table table-hover">
                <tr>
                    <td>CustomerID</td>
                    <td>Name</td>
                    <td>Address</td>
                    <td>Phone</td>
                    <td>Password</td>
                </tr>
            </table>
        </div>
    </div>
</div>
<?php
    $conn =
mysqli_connect("localhost","root","","WholeSale_Management");
    $sql = "SELECT * FROM

```

```

Customer_information";

or die("Error: $sql. ".mysql_error($conn));

$result = mysqli_query($conn,$sql)

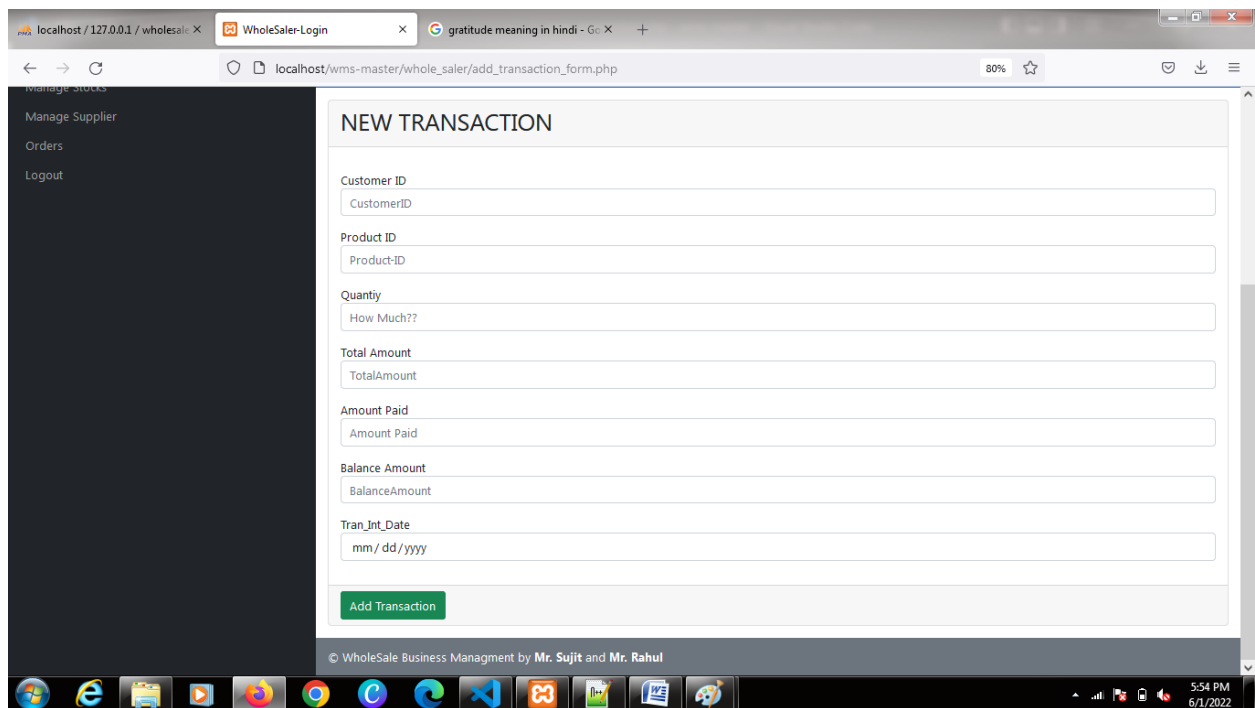
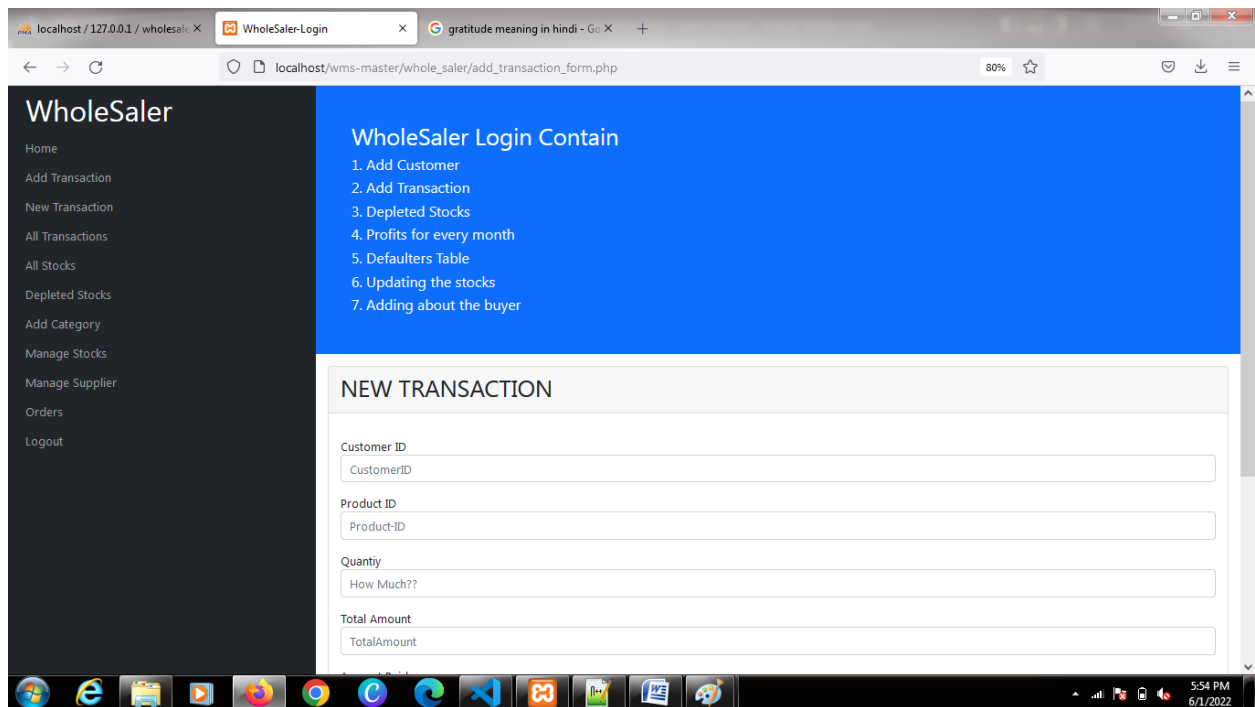
$row = mysqli_fetch_assoc($result);
do { ?>

    <tr>
        <td><?php echo $row['CustomerID']; ?></td>
        <td><?php echo $row['Name']; ?></td>
        <td><?php echo $row['Address']; ?></td>
        <td><?php echo $row['Phone']; ?></td>
        <td><?php echo $row['Password']; ?></td>
    </tr>
    <?php } while($row = mysqli_fetch_assoc($result)) ?>
</table>
</div>
</div>
</div>
<?php include('footer.php');?>
</div>
</div>
</div>
</body>

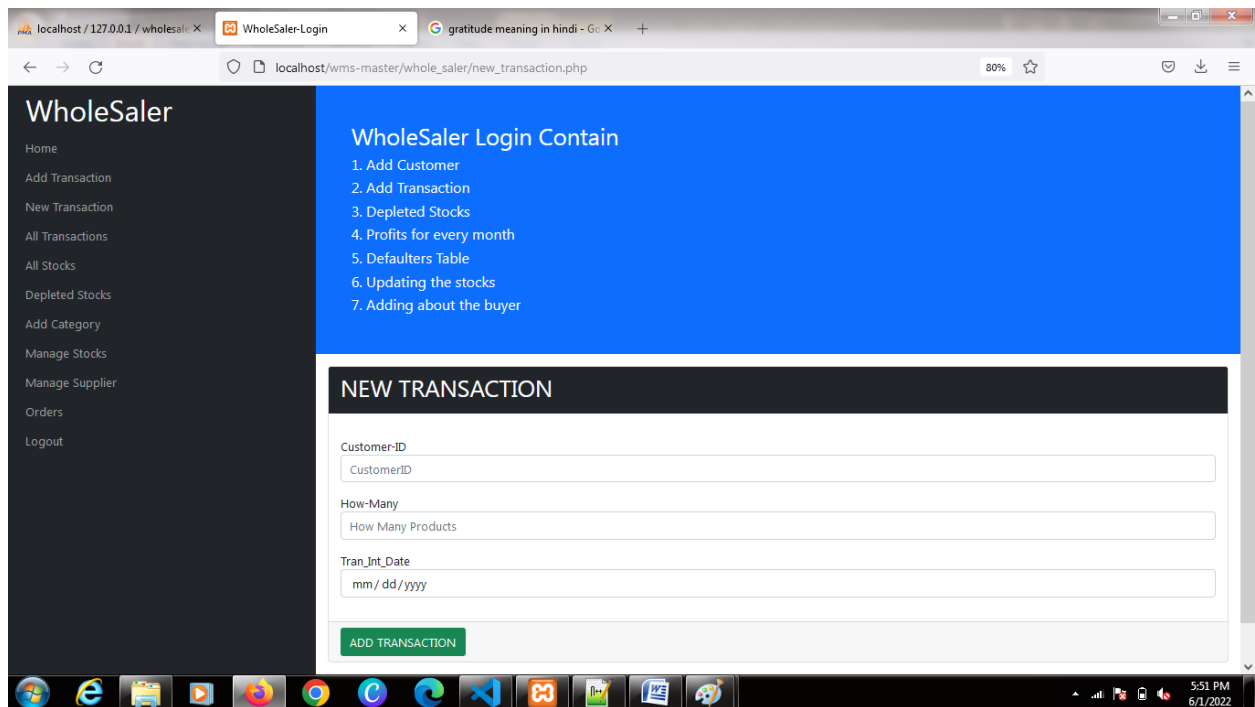
</html>

```

add_transaction_form.php(Screenshot)



new_transaction.php(Screenshot)



new_transaction.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <?php include('wholesaler_navigation.php');?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('wholesaler_login_contain.php');?>
            </div>
        </div>
    </div>
</body>
```

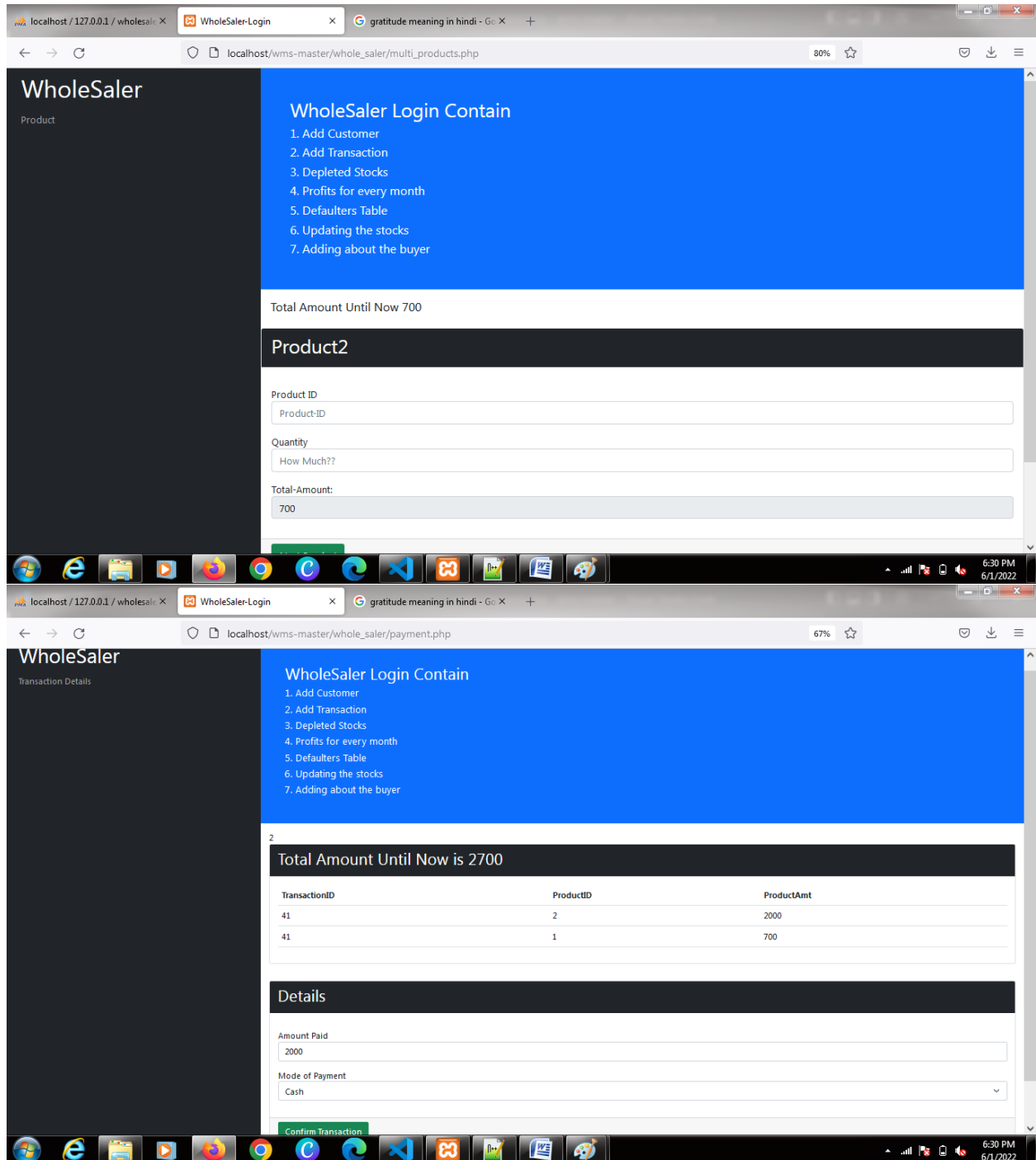
```

<div class="container-fluid p-3">
  <div class="card m-0">
    <form action="multi_products.php" method="POST">
      <div class="card-header bg-dark text-white">
        <p class="h2">NEW TRANSACTION</p>
      </div>
      <div class="card-body">
        <div class="mt-3 mb-3">
          <label for="CustomerID">Customer-ID</label>
          <input type="text" class="form-control" name="CustomerID"
id="CustomerID"
            Placeholder="CustomerID" required />
        </div>
        <div class="mb-3">
          <label for="hmany">How-Many</label>
          <input type="integer" class="form-control" name="Howmany"
id="hmany"
            Placeholder="How Many Products" required />
        </div>
        <div class="mb-3">
          <label for="Tran_Int_Date">Tran_Int_Date</label>
          <input type="Date" class="form-control" name="Trans_Int_Date"
id="BalanceAmount"
            placeholder="BalanceAmount" required />
        </div>
      </div>
      <div class="card-footer">
        <input type="submit" class="btn btn-success" name="send" value="ADD
TRANSACTION" />
      </div>
    </form>
    <?php
        $_SESSION['TI'] = "Active";
        $_SESSION['TotalAmt'] = 0;
        $_SESSION['PAmt'] =
array();
    ?>
  </div>
</form>
</div>
</div>
<?php include('footer.php'); ?>
</div>
</div>
</div>
</body>

```

</html>

multi_products.php(Screenshot)



multi_products.php(Code)

```

<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <nav class="navbar bg-dark navbar-dark">
                    <div class="container-fluid">
                        <ul class="navbar-nav">
                            <li class="nav-item">
                                <p class="h1 text-white">WholeSaler</p>
                            </li>
                            <li class="nav-item">
                                <a class="nav-link" href="#">Product</a>
                            </li>
                        </ul>
                    </div>
                </nav>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('wholesaler_login_contain.php');?>
                <?php if($_SESSION['TI'] == "Active") {
                    $customerID = $_POST['CustomerID'];
                    $hmany = $_POST['Howmany'];
                    $TID = $_POST['Trans_Int_Date'];
                    //Getting the connection
                    $conn = mysqli_connect("localhost","root","","WholeSale_Management");
                    $sql = "INSERT INTO transaction_information(customerID,Trans_Init_Date)
                        VALUES('$customerID','$TID')";
                    $result = mysqli_query($conn,$sql);
                }
            </div>
        </div>
    </div>

```



```

$sql1 = "SELECT TransactionID FROM transaction_information
WHERE CustomerID = '$customerID' AND Trans_Init_Date = '$TID'";
$result1 = mysqli_query($conn,$sql1);
$row1 = mysqli_fetch_assoc($result1);
// echo $row1['TransactionID'];

$_SESSION['PAmt'] = array();
$_SESSION['ProductID'] = array();
$_SESSION['pnum'] = 0;
$_SESSION['TID'] = $TID;
$_SESSION['TransID'] = $row1['TransactionID'];
$_SESSION['hmany'] = $hmany;
// echo $hmany;
// echo $_SESSION['hmany'];
$_SESSION['TI'] = "DeActive";
$_SESSION['TD'] = "DeActive";
}
?>
<?php if($_SESSION['TD'] == "Active")
{
    $ProductID = $_POST['ProductID'];
    $Quantity = $_POST['Quantity'];

    //Now inserting into the transaction_detail
    $conn1 = mysqli_connect("localhost","root","","WholeSale_Management");

    $sql3 = "SELECT USP FROM price_list WHERE ProductID = '$ProductID'";
    $result3 = mysqli_query($conn1,$sql3) ;
    $row2 = mysqli_fetch_assoc($result3);
    $amt = ($Quantity)*($row2['USP']);
    array_push($_SESSION['ProductID'],$ProductID);
    array_push($_SESSION['PAmt'],$amt);
    $_SESSION['TotalAmt'] = $_SESSION['TotalAmt'] + ($Quantity)*($row2['USP']);

    $sql2 = "INSERT INTO
transaction_detail(TransactionID,ProductID,Quantity,Total_Amount,Trans_Init_Date)
VALUES('".$_SESSION['TransID'].','.$ProductID','$Quantity','.'($Quantity)*($row2['USP']).','.$_SESSION['TID'].')";

    $result2 = mysqli_query($conn1,$sql2);
    if($result2 === false){
        //Need to delete the transaction entered in transaction_information
        $conn3 = mysqli_connect("localhost","root","","WholeSale_Management");

```

```

        $result4 = mysqli_query($conn3,"DELETE FROM transaction_information
WHERE TransactionID = '".$_SESSION['TransID']."'");
        echo "The Row has been deleted from the transaction_information";?>
        <a href="new_transaction.php" class="button">Back</a>
    <?php
        die ("Error:".mysqli_error($conn1));
    }
    $_SESSION['TD'] = "DeActive";
?>
<?php } ?>
<div class="container-fluid p-3">
    <p class="h5">Total Amount Until Now <?php echo $_SESSION['TotalAmt']
?></p>
</div>

<?php if($_SESSION['hmany']>0) { ?>
<?php $_SESSION['pnum'] = $_SESSION['pnum'] + 1; ?>

<div class="card m-0">
    <form action="multi_products.php" method="POST">
        <div class="card-header bg-dark text-white">
            <p class="h2">Product<?php echo $_SESSION['pnum'] ?></p>
        </div>
        <div class="card-body">
            <div class="mt-3 mb-3">
                <label for="StockID">Product ID</label>
                <input type="integer" class="form-control" name="ProductID"
id="StockID"
                Placeholder="Product-ID" required />
            </div>
            <div class="mb-3">
                <label for="Quantity">Quantity</label>
                <input type="integer" class="form-control" name="Quantity" id="Quantity"
                Placeholder="How Much??" required />
            </div>
            <div class="mb-3">
                <label for="TotalAmount">Total-Amount:</label>
                <input type="integer" class="form-control" name="TotalAmount"
id="TotalAmount"
                placeholder="TotalAmount" disabled value="<?php echo
$_SESSION['TotalAmt']?>" />
            </div>
        </div>
        <div class="card-footer">

```

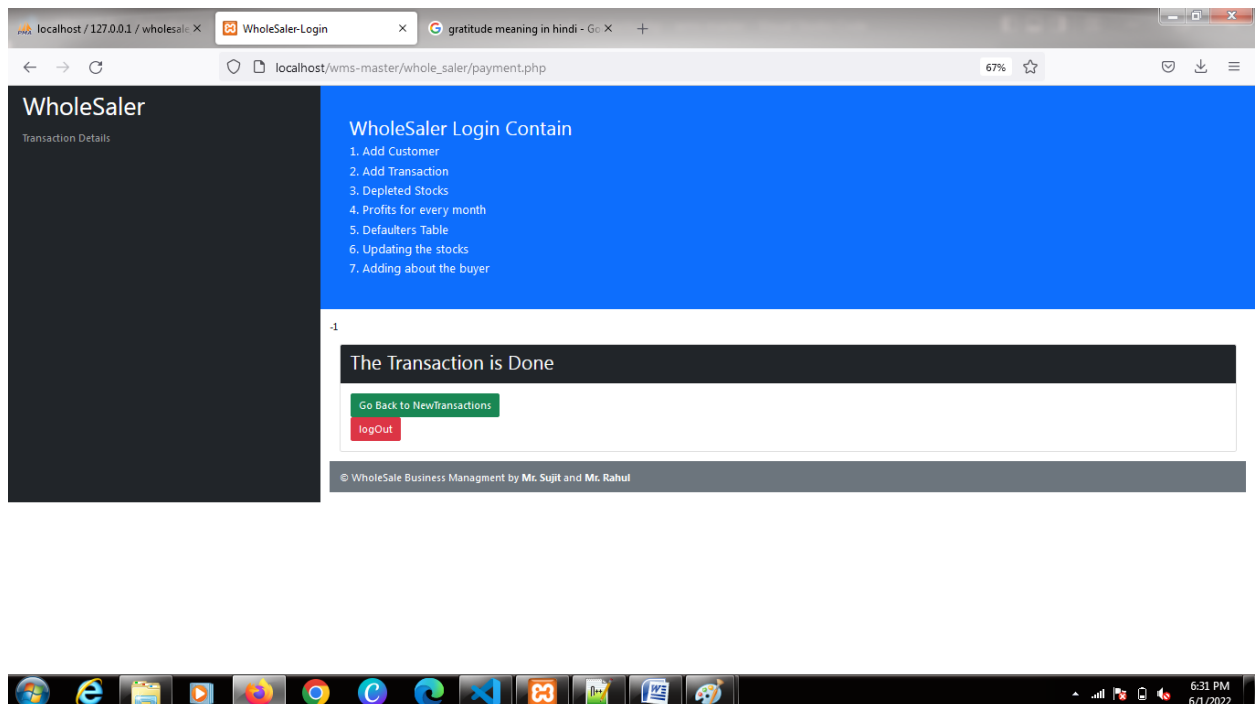
```

        <input type="submit" name="Add Product" class="btn btn-success"
value="Next Product" />
    </div>
</form>
</div>
<div class="container-fluid p-3">
    <?php
    $_SESSION['hmany']=$_SESSION['hmany']-1;
    $_SESSION['TD'] = "Active";?>
    <p>the while loop <?php echo $_SESSION['hmany'] ?> </p>
    <?php }else {
        $_SESSION['BILL'] = "True";
        header("Location:payment.php");
    } ?>
</div>
<?php include('footer.php'); ?>
</div>
</div>
</div>
</body>

</html>

```

payment.php(ScreenShot)



payment.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <nav class="navbar bg-dark navbar-dark">
                    <div class="container-fluid">
                        <ul class="navbar-nav">
                            <li class="nav-item">
                                <p class="h1 text-white">WholeSaler</p>
                            </li>
                            <li class="nav-item">
                                <a class="nav-link" href="#">Transaction Details</a>
                            </li>
                        </ul>
                    </div>
                </nav>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('wholesaler_login_contain.php');?>
                <div class="container-fluid p-3">
                    <?php
                        echo $_SESSION['pnum'];
                        $_SESSION['pnum'] = $_SESSION['pnum'] -1;
                        if($_SESSION['BILL'] == "True") {?>
                            <div class="card m-0">
                                <div class="card-header bg-dark text-white">
                                    <p class="h2">Total Amount Until Now is <?php echo
$_SESSION['TotalAmt'] ?></p>
                                </div>
                            </div>
                        </if>
                    </?php>
                </div>
            </div>
        </div>
    </div>
</body>
</html>
```

```

</div>
<div class="card-body">
  <table class="table table-hover">
    <tr>
      <th>TransactionID</th>
      <th>ProductID</th>
      <th>ProductAmt</th>
    </tr>

    <?php while($_SESSION['pnum']>=0){ ?>
    <tr>
      <td><?php echo $_SESSION['TransID']; ?></td>
      <td><?php echo $_SESSION['ProductID'][$_SESSION['pnum']]; ?></td>
      <td><?php echo $_SESSION['PAmt'][$_SESSION['pnum'] ]; ?></td>
    </tr>
    <?php $_SESSION['pnum'] = $_SESSION['pnum'] -1; ?>
    <?php } ?>

  </table>
</div>
</div>
<div class="container-fluid p-3">
  <?php $_SESSION['BILL'] = "False"; ?>
  <div class="card m-0">
    <form action="payment.php" method="POST">
      <div class="card-header bg-dark text-white">
        <p class="h2">Details</p>
      </div>
      <div class="card-body">
        <div class="mt-3 mb-3">
          <label for="name">Amount Paid</label>
          <input type="text" class="form-control" name="AmtPaid" id="name"
            placeholder="AmountPaid" required />
        </div>

        <div class="mb-3">
          <label for="CustomerID">Mode of Payment</label>
          <select class="form-select" name="Mode" id="CustomerID" required>
            <option value="-1" disabled selected>----- Select -----</option>
            <option value="Cash">Cash</option>
            <option value="Debit Card">Debit Card</option>
            <option value="Credit Card">Credit Card</option>
          </select>
        </div>
      </div>
    </form>
  </div>
</div>

```

```

        </div>

    </div>
    <div class="card-footer">
        <input type="submit" name="Confirm" class="btn btn-success"
            value="Confirm Transaction" />
    </div>
</form>

</div>
</div>
<?php }
    else if($_SESSION['BILL'] == "False"){
        $amtpaid = $_POST['AmtPaid'];
        $mode = $_POST['Mode'];
        $conn1 = mysqli_connect("localhost","root","", "WholeSale_Management");
        $sql1 = "INSERT INTO payment
(Mode,Amount_Paid,TransactionID,Transaction_Date)
VALUES('$mode','$amtpaid','".$_SESSION['TransID']. "','".$_SESSION['TID']. "')";
        $result2 = mysqli_query($conn1,$sql1) or die ("Error in query: $sql1.
".mysqli_error($conn1));
        mysqli_close($conn1);
    ?>
    <div class="container-fluid p-3">
        <div class="card m-0">

            <div class="card-header bg-dark text-white">
                <p class="h2">The Transaction is Done</p>
            </div>
            <div class="card-body">
                <form action="new_transaction.php" method="POST">
                    <input type="submit" name="Completed" class="btn btn-success"
                        value="Go Back to NewTransactions" />
                </form>
                <form action="logout.php" method="POST">
                    <input type="submit" name="Logout" class="btn btn-danger"
value="logOut" />
                </form>
            </div>
        </div>
    </div>
</div>
<?php } ?>

```

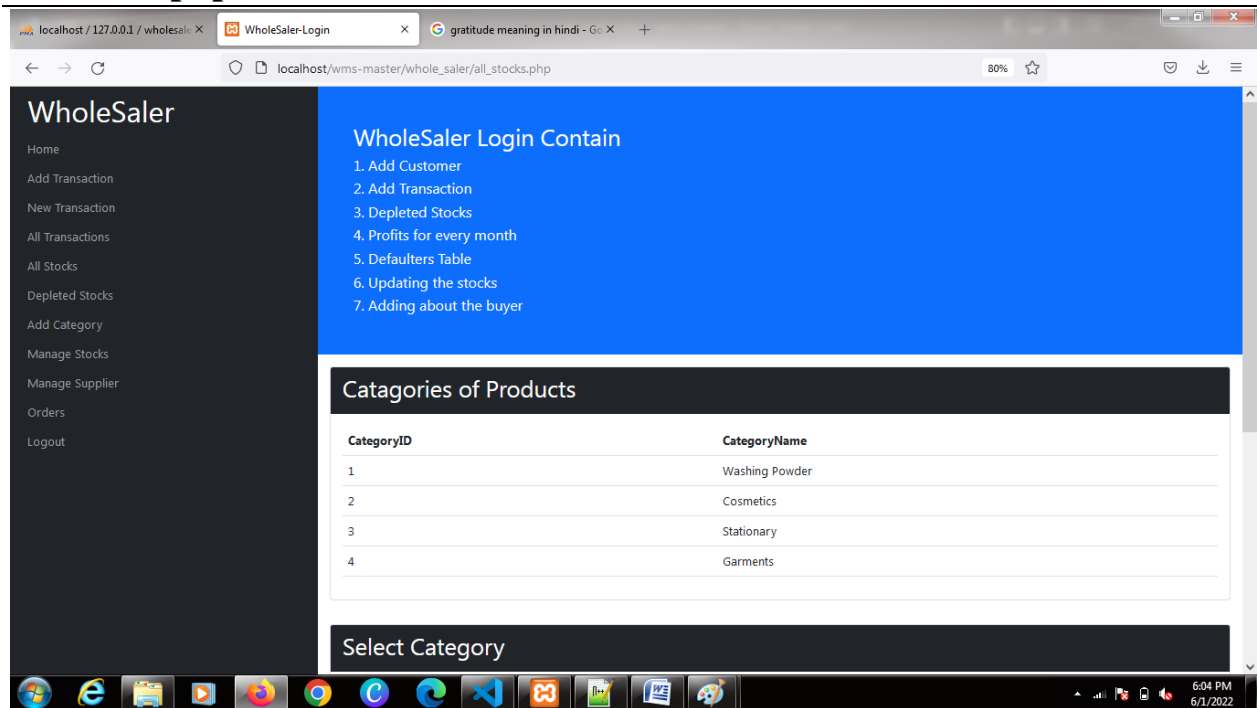
```

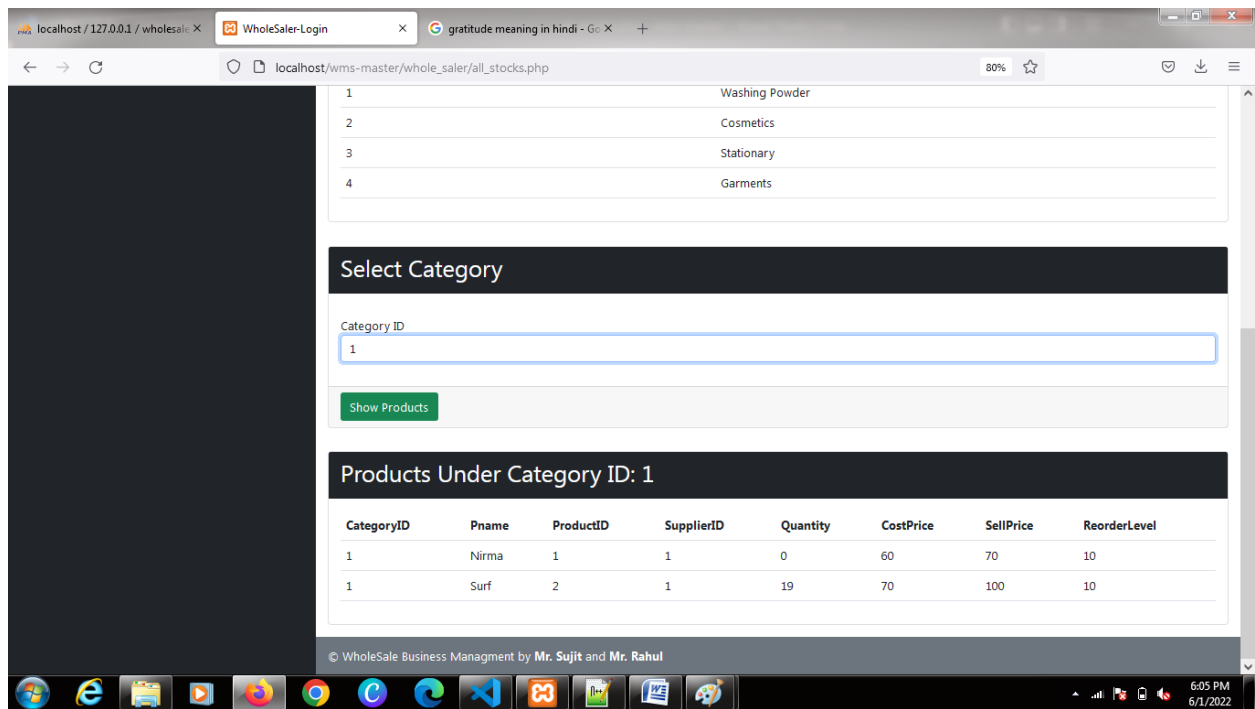
        <?php include('footer.php'); ?>
    </div>
</div>
</div>
</body>

</html>

```

all_stocks.php(Screenshot)





all_stocks.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <?php include('wholesaler_navigation.php'); ?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('wholesaler_login_contain.php'); ?>
            </div>
        </div>
    </div>
</body>
</html>
```



```

<div class="container-fluid p-3">
  <div class="card m-0">
    <div class="card-header bg-dark text-white">
      <p class="h2">Catagories of Products</p>
    </div>
    <div class="card-body">
      <table class="table table-hover">
        <tr>
          <th>CategoryID</th>
          <th>CategoryName</th>
        </tr>
        <?php
          $conn =
mysqli_connect("localhost","root","","WholeSale_Management");
          $sql = "SELECT * FROM
category";
          $result =
mysqli_query($conn,$sql);

          $row =
mysqli_fetch_assoc($result);

          do { ?>
            <tr>
              <td><?php echo $row['CategoryID']; ?></td>
              <td><?php echo $row['CategoryName']; ?></td>
            </tr>
          <?php } while($row = mysqli_fetch_assoc($result)) ?>
            <tr>
            </table>
          </div>
        </div>
      </div>
    <div class="container-fluid p-3">
      <div class="card m-0">
        <form action="all_stocks.php" method="POST">
          <div class="card-header bg-dark text-white">
            <p class="h2">Select Category</p>
          </div>
          <div class="card-body">
            <div class="mb-3 mt-3">
              <label for="ID">Category ID</label>
              <input type="text" class="form-control" name="CategoryID" id="ID"
                placeholder="CatagoryID" required />
            </div>

```

```

        </div>
        <div class="card-footer">
            <input type="submit" name="pshow" class="btn btn-success" value="Show
Products" />
        </div>
    </form>

</div>
</div>
<div class="container-fluid p-3">
    <?php if(isset($_POST['pshow'])) {
        $catagoryID = $_POST['CategoryID'];
    ?>
    <div class="card m-0">
        <div class="card-header bg-dark text-white">
            <p class="h2">Products Under Category ID: <?php echo $catagoryID ?></p>
        </div>
        <div class="card-body">
            <table class="table table-hover">
                <tr>
                    <th>CategoryID</th>
                    <th>Pname</th>
                    <th>ProductID</th>
                    <th>SupplierID</th>
                    <th>Quantity</th>
                    <th>CostPrice</th>
                    <th>SellPrice</th>
                    <th>ReorderLevel</th>
                </tr>
                <?php
                    $conn1 =
mysqli_connect("localhost","root","","WholeSale_Management");
                    $sql1 = "SELECT
CategoryID,Pname,product.ProductID
AS
product,SupplierID,Quantity_in_stock,UnitPrice,USP,ReorderLevel
FROM product,price_list
WHERE price_list.ProductID
= product.ProductID
AND CategoryID =
'$catagoryID'";
                    $result =
mysqli_query($conn1,$sql1);

                    $row1 =

```

```

mysqli_fetch_assoc($result);

do { ?>

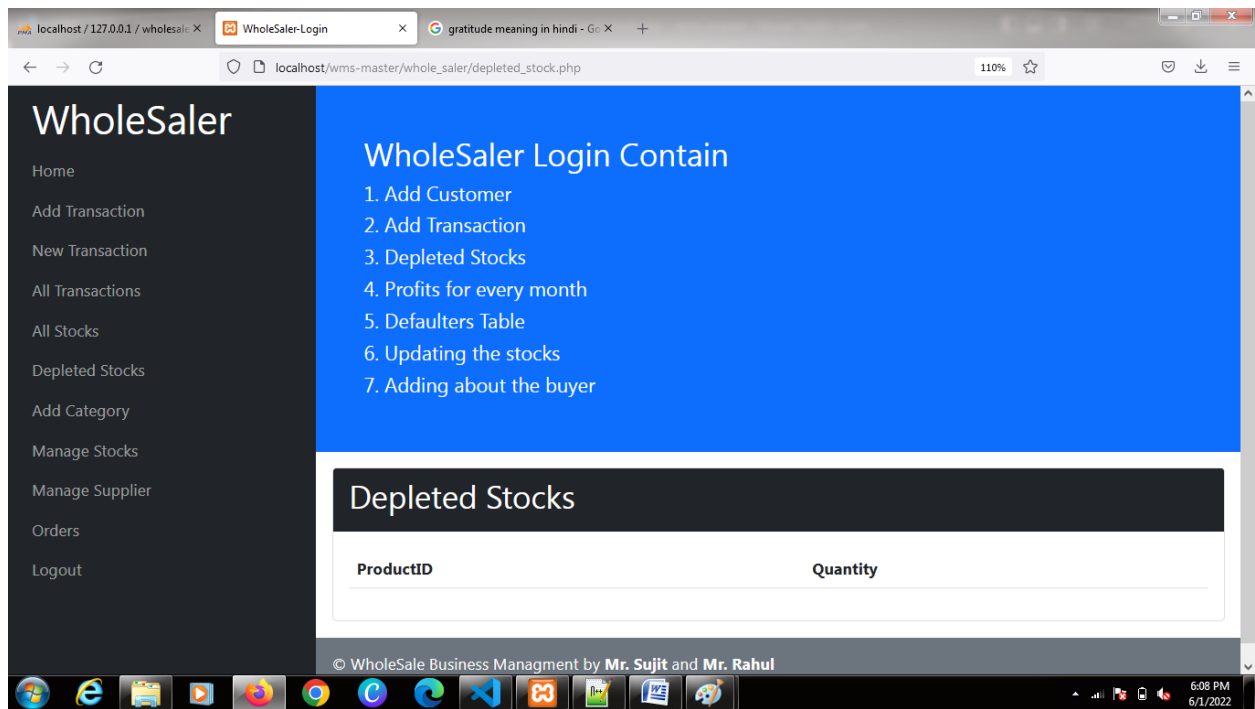
    <tr>
        <td><?php echo $row1['CategoryID']; ?></td>
        <td><?php echo $row1['Pname']; ?></td>
        <td><?php echo $row1['product']; ?></td>
        <td><?php echo $row1['SupplierID']; ?></td>
        <td><?php echo $row1['Quantity_in_stock']; ?></td>
        <td><?php echo $row1['UnitPrice']; ?></td>
        <td><?php echo $row1['USP']; ?></td>
        <td><?php echo $row1['ReorderLevel']; ?></td>
    </tr>
    <?php } while($row1 = mysqli_fetch_assoc($result)) ?>
    <tr>
</table>
</div>
</div>
<?php } ?>
</div>

<?php include('footer.php'); ?>
</div>
</div>
</div>
</body>

</html>

```

depleted_stock.php(Screenshot)



depleted_stock.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <?php include('wholesaler_navigation.php'); ?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
```

```

<?php include('wholesaler_login_contain.php');?>
<div class="container-fluid p-3">
  <div class="card m-0">
    <div class="card-header bg-dark text-white">
      <p class="h2">Depleted Stocks</p>
    </div>
    <div class="card-body">
      <table class="table table-hover">
        <tr>
          <th>ProductID</th>
          <th>Quantity</th>
        </tr>
        <?php
mysql_connect("localhost","root","","WholeSale_Management");
mysql_query($conn,$sql);
mysql_fetch_assoc($result);
mysql_fetch_assoc($result)) { ?>
          <tr>
            <td><?php echo $row['ProductID']; ?></td>
            <td><?php echo $row['Quantity']; ?></td>
          </tr>
        <?php } ?>
      </table>
    </div>
  </div>
</div>
<?php include('footer.php'); ?>
</div>
</div>
</body>

</html>

```

add_category.php(Screenshot)

WholeSaler
Home
Add Transaction
New Transaction
All Transactions
All Stocks
Depleted Stocks
Add Category
Manage Stocks
Manage Supplier
Orders
Logout

WholeSaler Login Contain
1. Add Customer
2. Add Transaction
3. Depleted Stocks
4. Profits for every month
5. Defaulters Table
6. Updating the stocks
7. Adding about the buyer

New Catagory
Category ID

Category Name

Add Category

Categories of products

CategoryID	CategoryName
1	Washing Powder
2	Cosmetics
3	Stationary
4	Garments

© WholeSale Business Managment by Mr. Sujit and Mr. Rahul

add_category.php(Code)

```

<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <?php include('wholesaler_navigation.php'); ?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('wholesaler_login_contain.php'); ?>
                <div class="container-fluid p-3">
                    <div class="card m-0">

```

```

<form action="Addcategory.php" method="POST">
  <div class="card-header bg-dark text-white">
    <p class="h2">New Catagory</p>
  </div>
  <div class="card-body">
    <div class="mb-3 mt-3">
      <label for="CategoryID">Category ID</label>
      <input type="integer" class="form-control" name="CategoryID"
id="CategoryID"
placeholder="CategoryID" required />
    </div>
    <div class="mb-3">
      <label for="CategoryName">Category Name</label>
      <input type="text" class="form-control" name="CategoryName"
id="CategoryName"
placeholder="CategoryName" required />
    </div>
    <div class="mb-3"></div>
  </div>
  <div class="card-footer">
    <input type="submit" name="AddC" class="btn btn-success" value="Add
Category" />
  </div>
</form>
</div>
</div>
<div class="container-fluid p-3">
  <?php
                                if(isset($_POST['AddC'])) {
                                    $CategoryID = $_POST['CategoryID'];
                                    $CategoryName =
$_POST['CategoryName'];
                                    $conn =
mysqli_connect("localhost","root","","WholeSale_Management");
                                    $sql = "INSERT INTO category VALUES
('$CategoryID','$CategoryName')";

                                    $result = mysqli_query($conn,$sql);

                                }?>
  <div class="card m-0">

```

```

<div class="card-header bg-dark text-white">
  <p class="h2">Categories of products</p>
</div>
<div class="card-body">
  <table class="table table-hover">
    <tr>
      <th>CategoryID</th>
      <th>CategoryName</th>

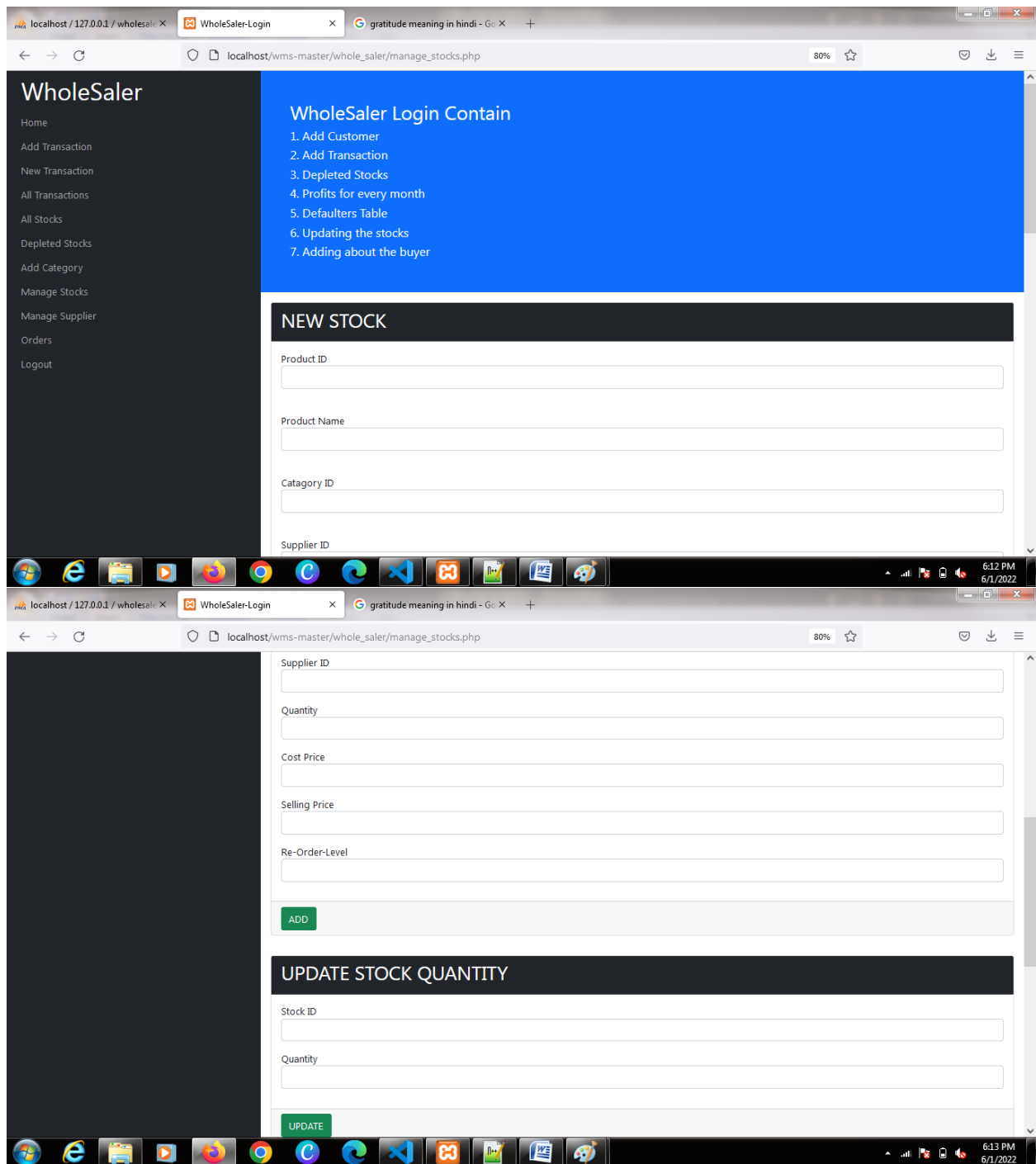
    </tr>
    <?php
      $conn =
mysqli_connect("localhost","root","","WholeSale_Management");
      $sql = "SELECT * FROM
category";
      $result =
mysqli_query($conn,$sql);
      $row =
mysqli_fetch_assoc($result);

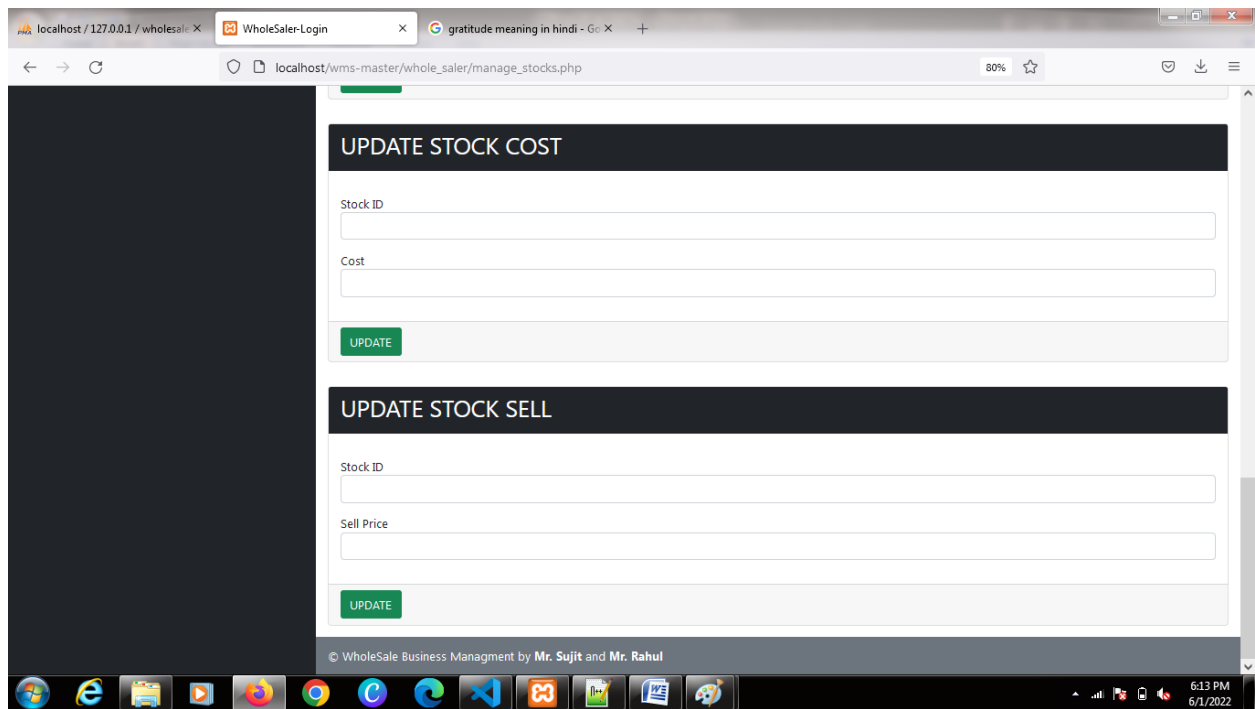
      do { ?>
        <tr>
          <td><?php echo $row['CategoryID']; ?></td>
          <td><?php echo $row['CategoryName']; ?></td>
        </tr>
        <?php } while($row = mysqli_fetch_assoc($result)) ?>
      <tr>
    </table>
  </div>
</div>
<div>
  <?php include('footer.php'); ?>
</div>
</div>
</div>
</body>

</html>

```

manage_stock.php(Screenshot)





manage_stock.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <?php include('wholesaler_navigation.php');?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('wholesaler_login_contain.php');?>
            </div>
        </div>
    </div>
</body>
```

```

<div class="container-fluid p-3">
  <div class="card m-0">
    <form action="new_stock.php" method="post">
      <div class="card-header bg-dark text-white">
        <p class="h2">NEW STOCK</p>
      </div>
      <div class="card-body">
        <div class="mb-3">
          <label for="StockID">Product ID</label>
          <input type="integer" class="form-control" name="StockID"
id="StockID" value=""
            required /><br />

        </div>

        <div class="mb-3"><label for="Stockname">Product Name</label>
          <input type="integer" class="form-control" name="Stockname"
id="Stockname" value=""
            required /><br />
        </div>

        <div class="mb-3">
          <label for="CatID">Catagory ID</label>
          <input type="integer" class="form-control" name="CatID" id="CatID"
value=""
            required /><br />
        </div>

        <div class="mb-3">
          <label for="SupID">Supplier ID</label>
          <input type="integer" class="form-control" name="SupplierID"
id="SupID" value=""
            required />
        </div>
        <div class="mb-3">
          <label for="Quantity">Quantity</label>
          <input type="integer" class="form-control" name="Quantity"
id="Quantity" value=""
            required />
        </div>
        <div class="mb-3">
          <label for="Price">Cost Price</label>
          <input type="integer" class="form-control" name="Cost" id="Price"
value=""

```

```

        required />
    </div>
    <div class="mb-3">
        <label for="PriceSold">Selling Price</label>
        <input type="integer" class="form-control" name="sell" id="PriceSold"
value=""
        required />
    </div>

    <div class="mb-3">
        <label for="ROL">Re-Order-Level</label>
        <input type="integer" class="form-control" name="ROL" id="ROL"
value="" required />
    </div>

</div>
<div class="card-footer">
    <input type="submit" name="send" class="btn btn-success" value="ADD"
/>

</div>
</form>
</div>
</div>
<div class="container-fluid p-3">
    <div class="card m-0">
        <form action="manage_stocks.php" method="POST">
            <div class="card-header bg-dark text-white">
                <p class="h2">UPDATE STOCK QUANTITY</p>
            </div>
            <div class="card-body">
                <div class="mb-3">
                    <label for="Stock-ID1">Stock ID</label>
                    <input type="integer" class="form-control" name="Stock-ID1"
id="Stock-ID1" value=""
                    required />
                </div>
                <div class="mb-3">
                    <label for="Quantity1">Quantity</label>
                    <input type="integer" class="form-control" name="Quantity1"
id="Quantity1" value=""
                    required />
                </div>
            </div>
            <div class="card-footer">

```

```

        <input type="submit" name="UpdateQ" class="btn btn-success"
value="UPDATE" />
    </div>
</form>
<?php if(isset($_POST['UpdateQ'])) {
    $StockID = $_POST['Stock-ID1'];
    $Quantity = $_POST['Quantity1'];

    $conn =
mysqli_connect("localhost","root","","WholeSale_Management");

    $sql = "UPDATE product
        SET Quantity_in_stock =
Quantity_in_stock + '$Quantity'
        WHERE ProductID =
'$StockID' ";

    $result = mysqli_query($conn,$sql);

    }?>
</div>
</div>
<div class="container-fluid p-3">
    <div class="card m-0">
        <form action="manage_stocks.php" method="POST">
            <div class="card-header bg-dark text-white">
                <p class="h2">UPDATE STOCK COST</p>
            </div>
            <div class="card-body">
                <div class="mb-3 mt-3"><label for="Stock-ID2">Stock ID</label>
                    <input type="integer" class="form-control" name="Stock-ID2"
id="Stock-ID2" value=""
                        required />
                </div>

                <div class="mb-3"><label for="Cost1">Cost</label>
                    <input type="integer" class="form-control" name="Cost1" id="Cost1"
value=""
                        required />
                </div>
            </div>
            <div class="card-footer">
                <input type="submit" name="UpdateC" class="btn btn-success"
value="UPDATE" />
            </div>
        </form>
    </div>
</div>

```

```

        </div>
    </form>
    <?php if(isset($_POST['UpdateC'])) {
        $StockID = $_POST['Stock-ID2'];
        $UnitPrice = $_POST['Cost1'];

        $conn =
mysqli_connect("localhost","root","","WholeSale_Management");

        $sql = "UPDATE product
                SET      UnitPrice =
'$UnitPrice'
                WHERE ProductID =
'$StockID' ";

        $result = mysqli_query($conn,$sql);
    }?>
</div>
</div>
<div class="container-fluid p-3">
    <div class="card m-0">
        <form action="manage_stocks.php" method="POST">
            <div class="card-header bg-dark text-white">
                <p class="h2">UPDATE STOCK SELL</p>
            </div>
            <div class="card-body">
                <div class="mb-3 mt-3">
                    <label for="Stock-ID3">Stock ID</label>
                    <input type="integer" class="form-control" name="Stock-ID3"
id="Stock-ID3" value=""
                        required />
                </div>
                <div class="mb-3">
                    <label for="Sell Price1">Sell Price</label>
                    <input type="integer" class="form-control" name="SellPrice1" id="Sell
Price1"
                        value="" required />
                </div>
            </div>
            <div class="card-footer">
                <input type="submit" name="UpdateS" class="btn btn-success"
value="UPDATE" />
            </div>
        </form>
        <?php if(isset($_POST['UpdateS'])) {

```

```

        $StockID  = $_POST['Stock-ID3'];
        $SellPrice = $_POST['SellPrice1'];

        $conn
mysqli_connect("localhost","root","","WholeSale_Management");

        $sql = "UPDATE price_list
                SET  USP = '$SellPrice'
                WHERE ProductID = '$StockID' ";
        $result = mysqli_query($conn,$sql);
    }?>
</div>
</div>
<?php include('footer.php');?>
</div>
</div>
</div>
</body>

</html>

```

new_stock.php(code)

```

<?php

//CONNECTING TO THE DATABASE
include "dbh.php";

//Taking the values from the page Updating Stocks...

$StockID  = $_POST['StockID'];
$Stockname = $_POST['Stockname'];
$CatID    = $_POST['CatID'];
$SupID    = $_POST['SupplierID'];
$Quantity = $_POST['Quantity'];
$Cost= $_POST['Cost'];
$sell = $_POST['sell'];
$ROL  = $_POST['ROL'];

echo $sell;

//ALL THESE VALUES NEED TO BE INSERTED INTO THE DATABASE
//THE ABOVE QUESTION MARKS MEAN PREPARED STATMENTS...
//THE ABOVE IS THE SQL QUERY

```

```

$sql = "INSERT INTO product
VALUES('$StockID','$Stockname','$CatID','$SupID','$Quantity','$Cost','$ROL')";
//Running the sql Query
$result = mysqli_query($conn,$sql);

$sql1 = "INSERT INTO price_list VALUES('$StockID','$sell')";
$result = mysqli_query($conn,$sql1);

header("Location:manage_stocks.php");
/*
$stmt = $conn_prepare($sql);

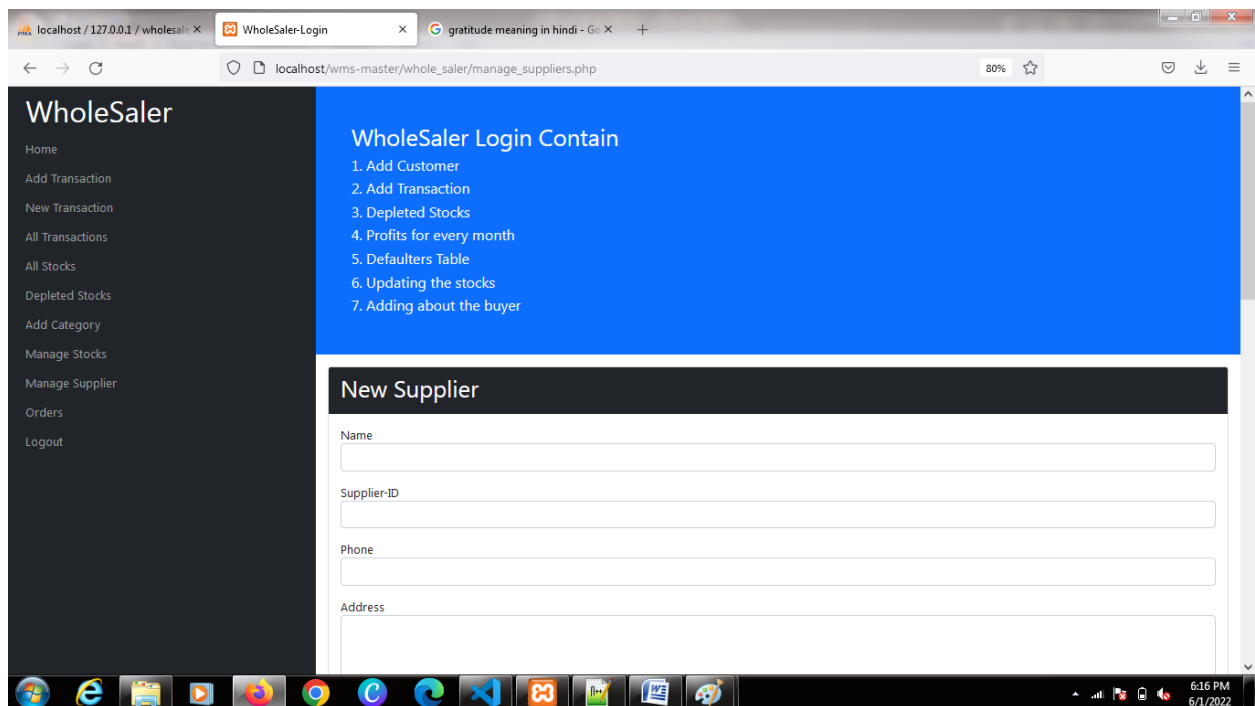
//BIND VARIABLES
$stmt_bind_param("sssss",$customerID,$name,$Address,$loginID,$password);

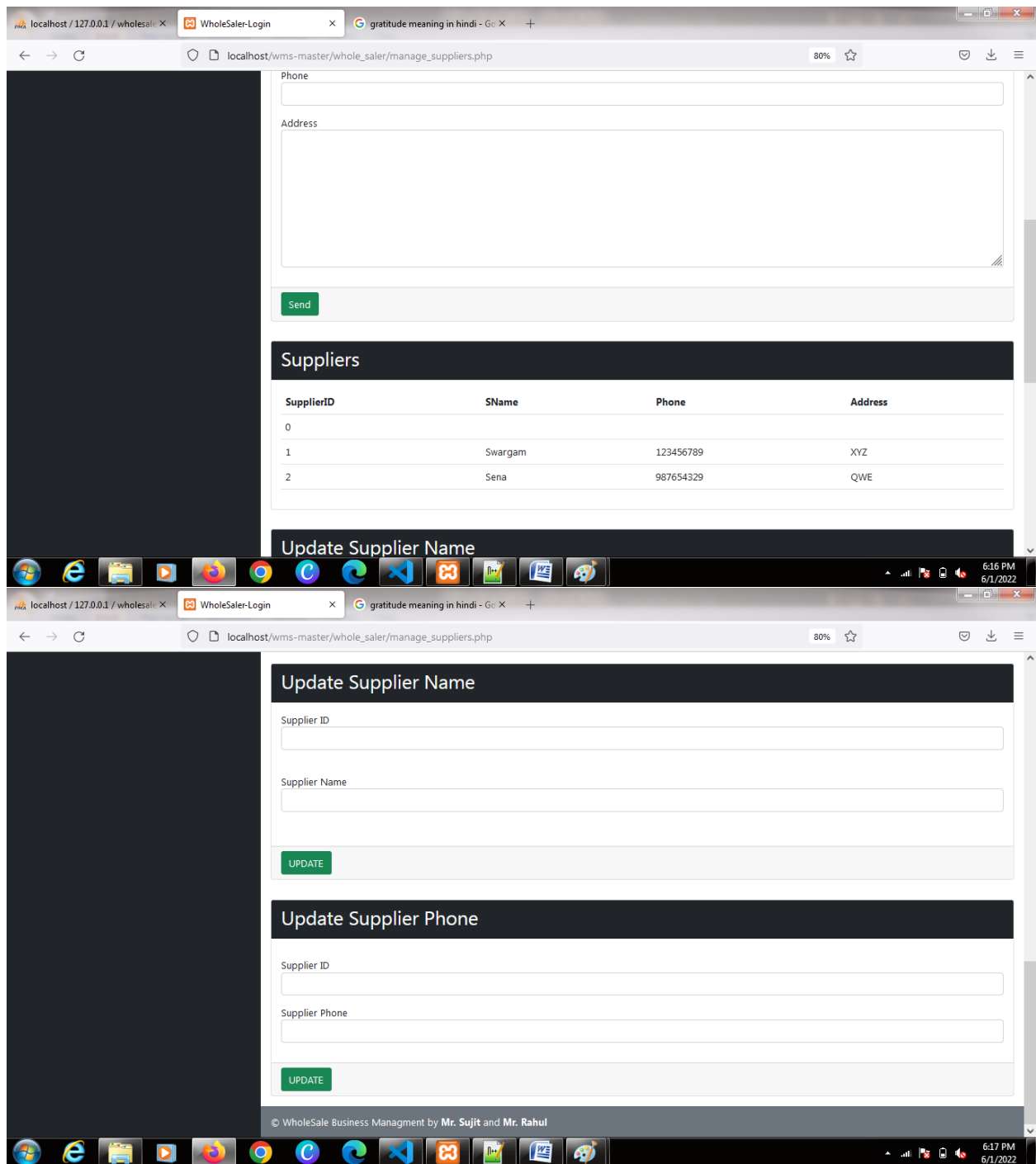
//EXECUTING THE STATMENT VARIABLE
$stmt_execute();
*/

?>

```

manage_supplier.php(ScreenShot)





Manage_supplier.php(code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
```

```

}
?>
<!DOCTYPE html>
<html lang="en">

<head>
  <title>WholeSaler-Login</title>
  <?php include('links.php'); ?>
</head>

<body>
  <div class="container-fluid">
    <div class="row">
      <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
        <?php include('wholesaler_navigation.php'); ?>
      </div>
      <div class="col-sm-12 col-md-8 col-lg-9 p-0">
        <?php include('wholesaler_login_contain.php'); ?>
        <div class="container-fluid p-3">
          <div class="card m-0">
            <form action="add_supplier.php" method="Post">
              <div class="card-header bg-dark text-white">
                <p class="h2">New Supplier</p>
              </div>
              <div class="card-body">
                <div class="mb-3"><label for="Name">Name</label>
                  <input type="text" class="form-control" name="Name" id="Name"
required />
                </div>

                <div class="mb-3">
                  <label for="IndustryID">Supplier-ID</label>
                  <input type="integer" class="form-control" name="IndustryID"
id="IndustryID"
                  value="" required />
                </div>

                <div class="mb-3"><label for="Phone">Phone</label>
                  <input type="text" class="form-control" name="Phone" id="Phone"
value="" required />
                </div>

                <div class="mb-3"><label for="Address">Address</label>
                  <textarea class="form-control" cols="60" rows="8" name="Address"

```

```

        id="Address"></textarea>
    </div>
</div>
<div class="card-footer">
    <input type="submit" name="send" class="btn btn-success" value="Send" />
</div>
</form>
</div>
</div>
<div class="container-fluid p-3">
    <div class="card m-0">
        <div class="card-header bg-dark text-white">
            <p class="h2">Suppliers</p>
        </div>
        <div class="card-body">
            <table class="table table-hover">
                <tr>
                    <th>SupplierID</th>
                    <th>SName</th>
                    <th>Phone</th>
                    <th>Address</th>
                </tr>

                <?php
                    $conn = mysqli_connect("localhost","root","","WholeSale_Management");
                    $sql = "SELECT * FROM supplier_information ";

                    $result = mysqli_query($conn,$sql) or die ("Error in query: $sql.
".mysqli_error($conn));

                    $row = mysqli_fetch_assoc($result);
                    do { ?>

                        <tr>
                            <td><?php echo $row['SupplierID']; ?></td>
                            <td><?php echo $row['SName']; ?></td>
                            <td><?php echo $row['Phone']; ?></td>
                            <td><?php echo $row['Address']; ?></td>
                        </tr>

                        <?php } while($row = mysqli_fetch_assoc($result)) ?>
                    </table>
                </div>
            </div>

```

```

        </div>
    </div>
    <div class="container-fluid p-3">
        <div class="card m-0">
            <form action="Add_Suppliers.php" method="POST">
                <div class="card-header bg-dark text-white">
                    <p class="h2">Update Supplier Name</p>
                </div>
                <div class="card-body">
                    <p><label for="SupplierID1">Supplier ID</label>
                        <input type="integer" class="form-control" name="SupplierID1"
id="SupplierID1"
                            value="" required /><br />
                    </p>

                    <div class="mb-3">
                        <label for="SupName">Supplier Name</label>
                        <input type="integer" class="form-control" name="SupName"
id="SupName" value=""
                            required /><br />
                    </div>
                </div>
                <div class="card-footer">
                    <input type="submit" name="UpdateSup" class="btn btn-success"
value="UPDATE" />
                </div>
            </form>
            <?php if(isset($_POST['UpdateSup'])) {
                $SupplierID = $_POST['SupplierID1'];
                $SupName = $_POST['SupName'];

                $conn = mysqli_connect("localhost","root","","WholeSale_Management");

                $sql = "UPDATE supplier_information
                    SET SName = '$SupName'
                    WHERE SupplierID = '$SupplierID' ";
                $result = mysqli_query($conn,"UPDATE supplier_information SET SName =
'$SupName' WHERE SupplierID = '$SupplierID' ");

                }?>
            </div>
        </div>
    </div>

    <div class="container-fluid p-3">

```

```

<div class="card m-0">
  <form action="Add_Suppliers.php" method="POST">
    <div class="card-header bg-dark text-white">
      <p class="h2">Update Supplier Phone</p>
    </div>
    <div class="card-body">
      <div class="mt-3 mb-3">
        <label for="SupplierID2">Supplier ID</label>
        <input type="integer" class="form-control" name="SupplierID2"
id="SupplierID2"
          value="" required />
      </div>

      <div class="mb-3">
        <label for="SupNamePh">Supplier Phone</label>
        <input type="integer" class="form-control" name="SupNamePh"
id="SupNamePh" value=""
          required />
      </div>
    </div>
    <div class="card-footer">
      <input type="submit" name="UpdateSupPh" class="btn btn-success"
value="UPDATE" />
    </div>
  </form>
  <?php if(isset($_POST['UpdateSupPh'])) {
    $SupplierID = $_POST['SupplierID2'];
    $SupNamePh = $_POST['SupNamePh'];

    $conn = mysqli_connect("localhost","root","","WholeSale_Management");

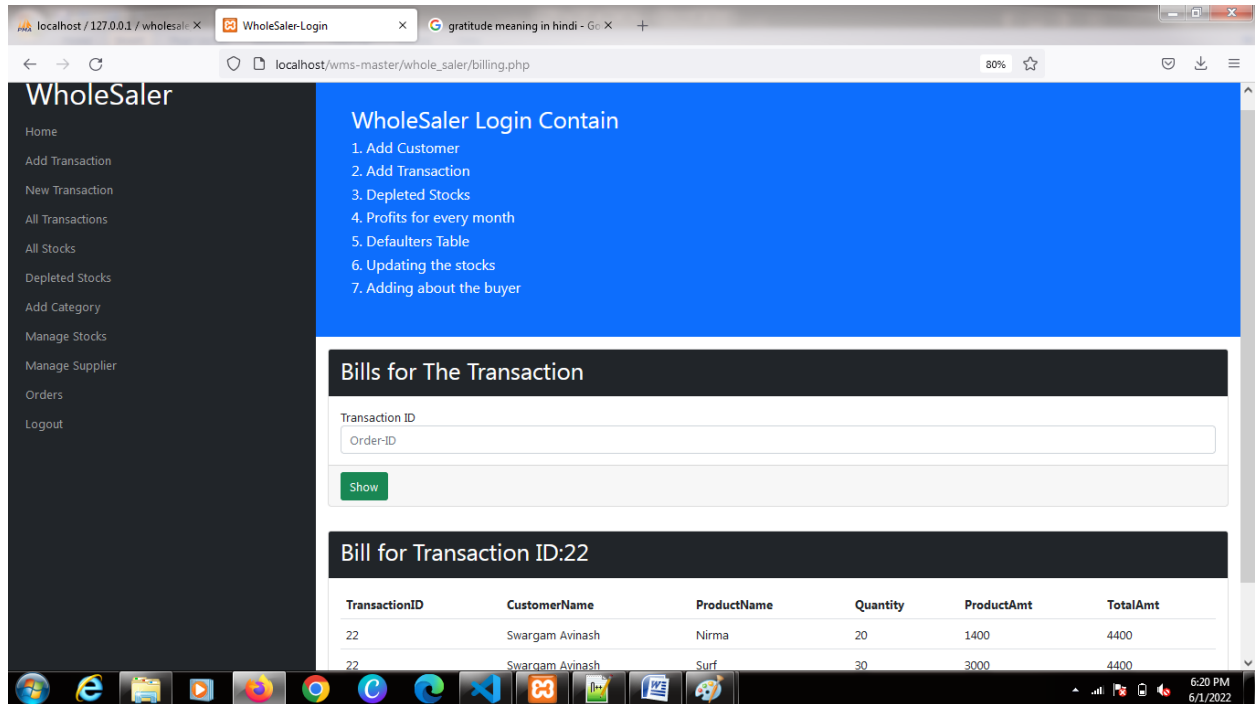
    $sql = "UPDATE supplier_information
      SET Phone = '$SupNamePh'
      WHERE SupplierID = '$SupplierID' ";
    $result = mysqli_query($conn,$sql);

    }?>
  </div>
</div>
<?php include('footer.php'); ?>
</div>
</div>
</div>
</body>

```

</html>

billing.php(Screenshot)



billing.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>WholeSaler-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
```

```

<div class="container-fluid">
  <div class="row">
    <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
      <?php include('wholesaler_navigation.php');?>
    </div>
    <div class="col-sm-12 col-md-8 col-lg-9 p-0">
      <?php include('wholesaler_login_contain.php');?>
      <div class="container-fluid p-3">
        <div class="card m-0">
          <form action="billing.php" method="POST">
            <div class="card-header bg-dark text-white">
              <p class="h2">Bills for The Transaction</p>
            </div>
            <div class="card-body">
              <label for="name">Transaction ID</label>
              <input type="interger" class="form-control" name="TransID"
id="name"
                placeholder="Order-ID" required />
            </div>
            <div class="card-footer">
              <input type="submit" name="show" class="btn btn-success"
value="Show" />
            </div>
          </form>
        </div>
      </div>
    </div>
    <div class="container-fluid p-3">
      <?php
        if(isset($_POST['show']))
        {
          $TransID = $_POST['TransID'];
        }
      <?>
      <div class="card m-0">
        <div class="card-header bg-dark text-white">
          <p class="h2">Bill for Transaction ID:<?php echo $TransID ?>
</p>
        </div>
        <div class="card-body">

```

```
<table class="table table-hover">
```

```
<tr>
```

```
<th>TransactionID</th>
```

```
<th>CustomerName</th>
```

```
<th>ProductName</th>
```

```
<th>Quantity</th>
```

```
<th>ProductAmt</th>
```

```
<th>TotalAmt</th>
```

```
</tr>
```

```
<?php
```

```
$conn =
```

```
mysqli_connect("localhost","root","","WholeSale_Management");
```

```
$sql = "SELECT
```

```
transaction_information.TransactionID AS t1 ,customer_information.Name AS t2
```

```
,product.Pname AS t3,transaction_detail.Quantity AS
```

```
t4,transaction_detail.Total_Amount AS t5,payment.Amount_Paid AS t6
```

```
FROM
```

```
transaction_detail,payment,transaction_information,customer_information,product
```

```
WHERE
```

```
transaction_detail.TransactionID = transaction_information.TransactionID
```

```
AND
```

```
transaction_detail.TransactionID = payment.TransactionID
```

```
AND
```

```
customer_information.CustomerID = transaction_information.CustomerID
```

```
AND product.ProductID
```

```
= transaction_detail.ProductID
```

```
AND
```

```
transaction_detail.TransactionID = '$TransID' ";
```

```
$result =
```

```
mysqli_query($conn,$sql);
```

```
$row =
```

```
mysqli_fetch_assoc($result);
```

```
do { ?>
```

```
<tr>
```

```
<td><?php echo $row['t1']; ?></td>
```

```
<td><?php echo $row['t2']; ?></td>
```

```
<td><?php echo $row['t3']; ?></td>
```

```
<td><?php echo $row['t4']; ?></td>
```



```

        <td><?php echo $row['t5']; ?></td>
        <td><?php echo $row['t6']; ?></td>

    </tr>
    <?php } while($row = mysqli_fetch_assoc($result)) ?>
</table>
</div>
</div>

<?php } ?>
</div>
<?php include('footer.php'); ?>
</div>
</div>
</div>
</body>

</html>

```

logout.php(Code)

```

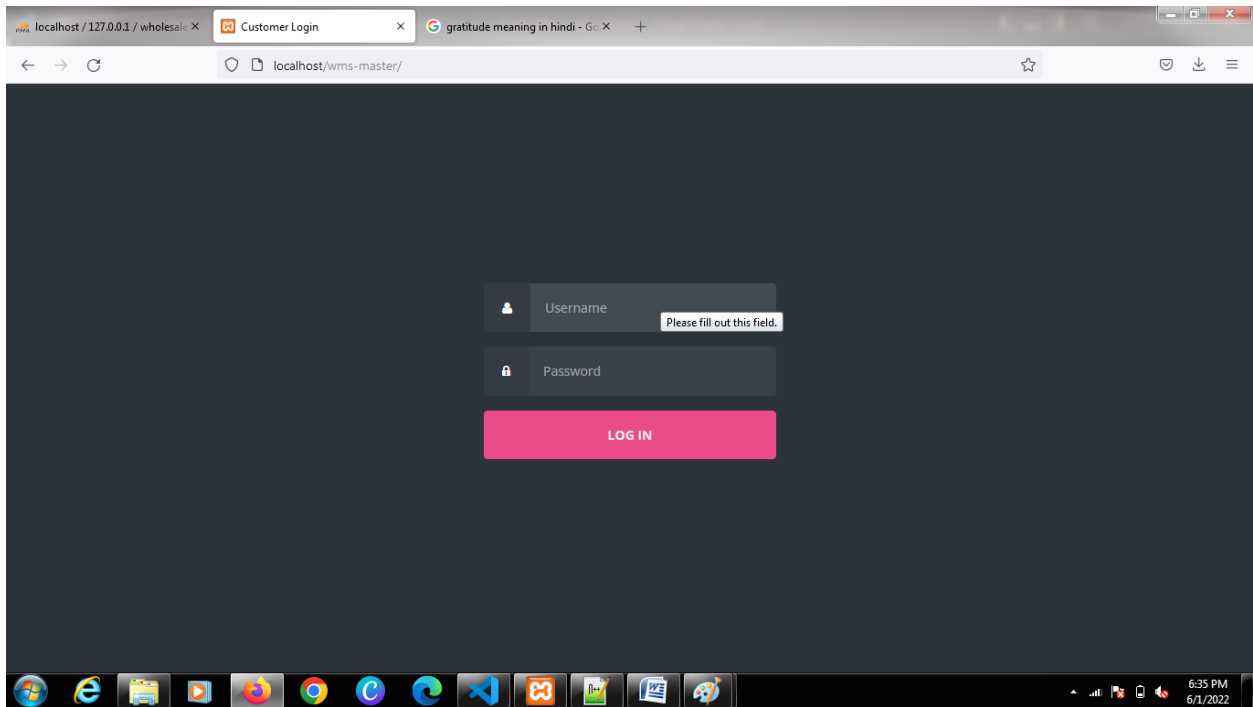
<?php
    session_start();
    session_unset();
    session_destroy();
    $_SESSION = array();

    header("Location:index.php");
?>

```

Customer

index.php(for Customer Login)



index.php(for Customer Login)(Code)

```
<?php
    session_start();
    $_SESSION["pass"] = "True";
?>
<!DOCTYPE html>
<html>

<head>
    <meta charset="UTF-8">
    <title>Customer Login</title>
    <link rel="stylesheet" href="css/style.css">
</head>

<body>

    <body class="align">

        <div class="site__container">

            <div class="grid__container">

                <form action="login_validation.php" method="post" class="form form--login">
```

```

        <div class="form__field">
            <label class="fontawesome-user" for="login__username"><span
                class="hidden">Username</span></label>
            <input id="login__username" name="userid" type="text" class="form__input"
placeholder="Username"
                required>
        </div>

        <div class="form__field">
            <label class="fontawesome-lock" for="login__password"><span
                class="hidden">Password</span></label>
            <input id="login__password" name="pass" type="password"
class="form__input"
                placeholder="Password" required>
        </div>

        <div class="form__field">
            <input type="submit" name="Login" value="Log In">
        </div>

    </form>
</div>

</div>

</body>
</body>

</html>

```

Login_validation.php(code)

```

<?php
if(isset($_POST["Login"]))
{
    session_start();
    //The above line connects to the database of the myphpadmin
    $conn = mysqli_connect("localhost","root","","WholeSale_Management");
    echo "Connected to the database of the host....".<br>";
    //IF the connection doesnot connect then error message is being showed...
    if (!$conn)
    {
        die("Connection is failed: ".mysqli_connect_error());
    }

    //Taking the Input form the website

```

```

$loginname = $_POST['userid'];
$loginpass = $_POST['pass'];

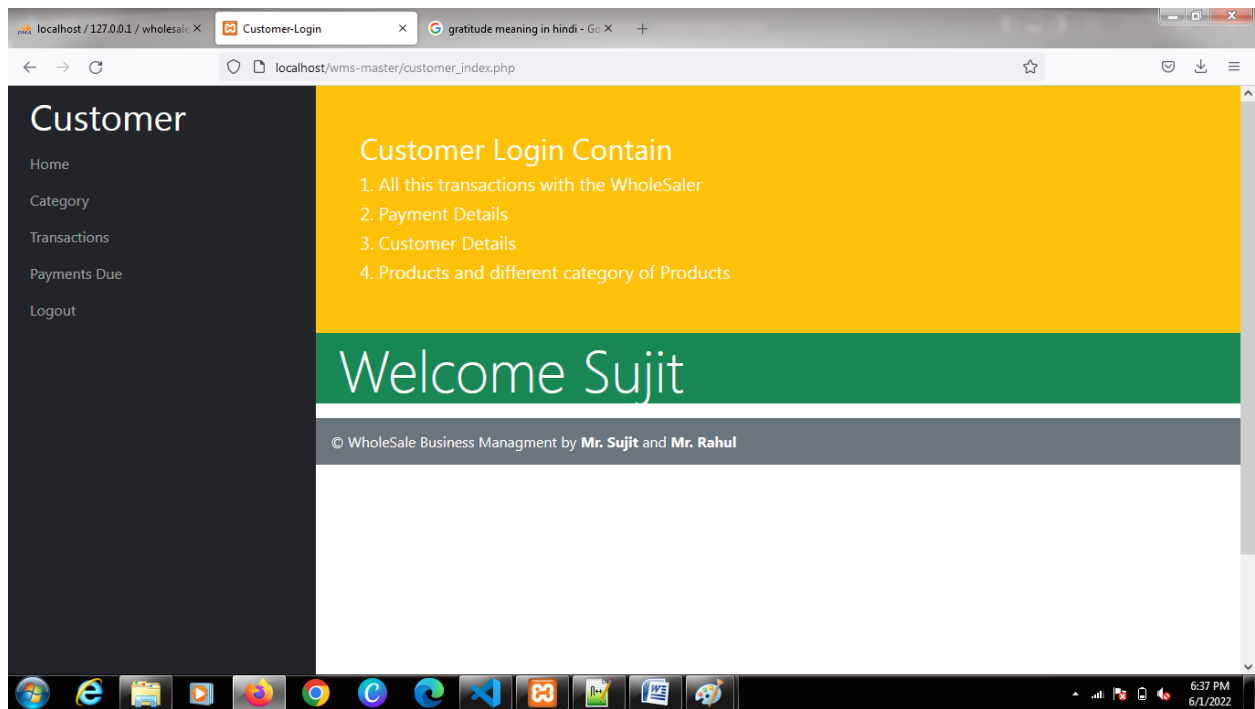
//echo $loginname."<br>";
//echo $loginpass."<br>";
if ($_SERVER['REQUEST_METHOD']=='POST'){
    $sql = "SELECT * FROM customer_information WHERE CustomerID = '$loginname'
and Password = '$loginpass'";

    //For getting the results of the querys
    $result = mysqli_query($conn,$sql);

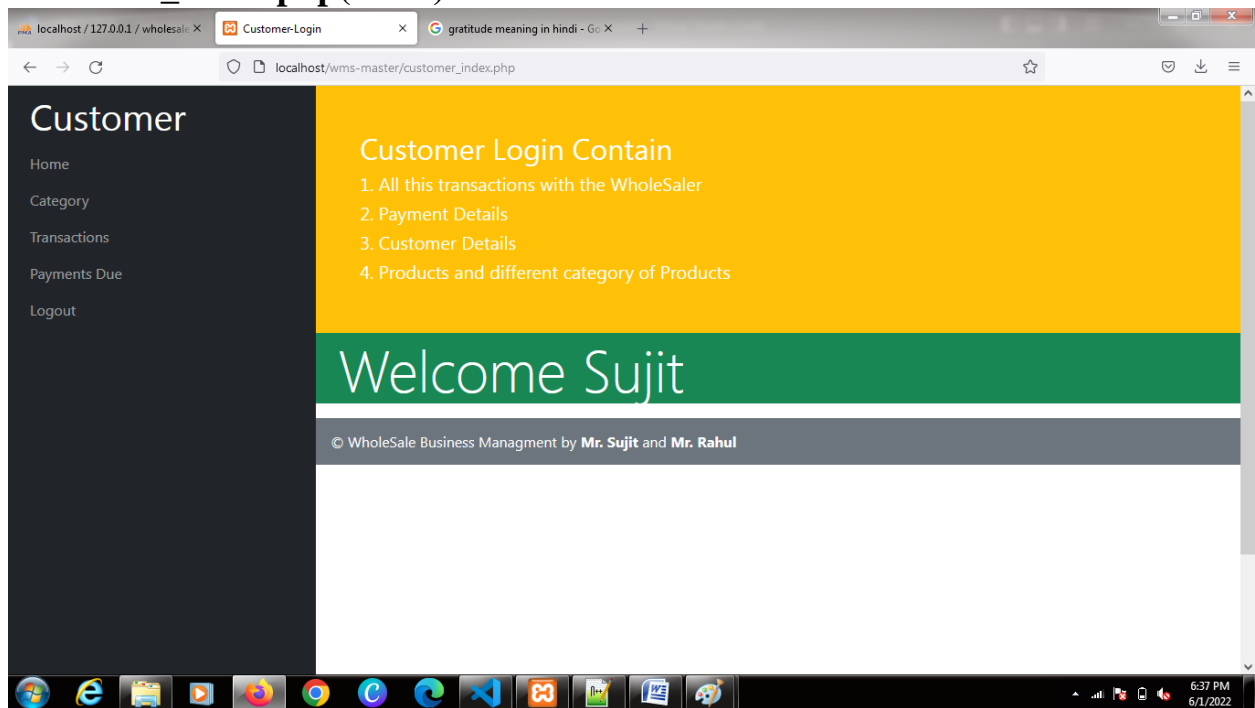
    if(!$row = mysqli_fetch_assoc($result))//checks if the result has selected any of the
rows...
        {
            echo "Your UserName or password is incorrect";
            $_SESSION["pass"] = "False";
            header("Location:index.php");
        }
    else
        {
            $_SESSION['Login'] = "Active";
            $_SESSION['CID'] = $row['CustomerID'];
            header("Location: customer_index.php");
        }
}
//header("Location: LoginPage.htm");
}
?>

```

Customer_index.php(Screenshot)



Customer_index.php(Code)



Customer_index.php(Code)

```
<?php  
session_start();
```

```

if($_SESSION['Login']!="Active")
{
    header("location:loginPage.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Customer-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark" style="height: 780px;">
                <?php include('customer_navigation.html'); ?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0" style="height: 780px;">
                <?php include('customer_contain_login.html'); ?>
                <div class="container-fluid bg-success text-white">
                    <?php
                        $ci = $_SESSION['CID'];

                        $conn =
mysqli_connect("localhost","root","","WholeSale_Management");
                        $sql = "SELECT Name FROM
customer_information
                        WHERE CustomerID = '$ci' ";
                        $result = mysqli_query($conn,$sql);

                        $row1 = mysqli_fetch_assoc($result);
                    ?>
                    <p class="display-3">Welcome <?php echo $row1['Name']; ?> </p>
                </div>
                <?php include('footer.php'); ?>
            </div>
        </div>
    </div>
</body>

</html>

```

Category.php(Screenshot)

The screenshot displays a web application interface. The top navigation bar includes links for Home, Category, Transactions, Payments Due, and Logout. The main content area is divided into two sections. The first section, titled 'Customer Login Contain', lists four items: 1. All this transactions with the WholeSaler, 2. Payment Details, 3. Customer Details, and 4. Products and different category of Products. The second section, titled 'Categories of products', contains a table with two columns: CategoryID and CategoryName. The table lists four categories: 1. Washing Powder, 2. Cosmetics, 3. Stationary, and 4. Garments. Below this table is a 'Select Category' form with a text input field labeled 'Category ID' and a 'Show Products' button. The third section, titled 'Products Under CategoryID 1', contains a table with six columns: CategoryID, Pname, ProductID, Quantity, Price, and ReorderLevel. The table lists two products: 1. Nirma (ProductID 1, Quantity 0, Price 70, ReorderLevel 10) and 1. Surf (ProductID 2, Quantity 13, Price 100, ReorderLevel 10). The footer of the application states '© WholeSale Business Managment by Mr. Sujit and Mr. Rahul'.

CategoryID	CategoryName
1	Washing Powder
2	Cosmetics
3	Stationary
4	Garments

CategoryID	Pname	ProductID	Quantity	Price	ReorderLevel
1	Nirma	1	0	70	10
1	Surf	2	13	100	10

Category.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
```

```

{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Customer-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <?php include('customer_navigation.html'); ?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('customer_contain_login.html'); ?>
                <div class="container-fluid p-3">
                    <div class="card m-0">
                        <div class="card-header bg-dark text-white">
                            <p class="h2">Categories of products</p>
                        </div>
                        <div class="card-body">
                            <table class="table table-hover">
                                <tr>
                                    <th>CategoryID</th>
                                    <th>CategoryName</th>
                                </tr>
                                <?php
                                    $conn =
mysql_i_connect("localhost","root","","WholeSale_Management");
                                    $sql = "SELECT * FROM
category";
                                    $result = mysql_query($conn,$sql);

                                    $row = mysql_fetch_assoc($result);
                                    do { ?>

                                <tr>
                                    <td><?php echo $row['CategoryID']; ?></td>

```



```

                <td><?php echo $row['CategoryName']; ?></td>
            </tr>
            <?php } while($row = mysqli_fetch_assoc($result)); ?>
        </tr>
    </table>
</div>
</div>
</div>
<div class="container-fluid p-3">
    <div class="card m-0">
        <form action="category.php" method="POST">
            <div class="card-header bg-dark text-white">
                <p class="h2">Select Category</p>
            </div>
            <div class="card-body">
                <label for="ID">Category ID</label>
                <input type="text" class="form-control" name="CategoryID" id="ID"
                    placeholder="Catagory ID" required />
            </div>
            <div class="card-footer">
                <input type="submit" name="pshow" class="btn btn-success" value="Show
Products" />
            </div>
        </form>
    </div>
</div>
<div class="container-fluid p-3">
    <?php if(isset($_POST['pshow'])) {
                                $catagoryID = $_POST['CategoryID'];?>
    <div class="card p-0">
        <div class="card-header bg-dark text-white">
            <p class="h2">Products Under CategoryID <?php echo $catagoryID; ?></p>
        </div>
        <div class="card-body">
            <table class="table table-hover">
                <tr>
                    <th>CategoryID</th>
                    <th>Pname</th>
                    <th>ProductID</th>
                    <th>Quantity</th>
                    <th>Price</th>
                    <th>ReorderLevel</th>
                </tr>
                <?php

```

```

                                $conn1                =
mysqli_connect("localhost","root","","WholeSale_Management");
                                $sql1                  =
CategoryID,Pname,product.ProductID AS product,Quantity_in_stock,USP,ReorderLevel
                                FROM product,price_list
                                WHERE      CategoryID  =
' $catagoryID'
                                AND  price_list.ProductID =
product.ProductID";
                                $result                =
mysqli_query($conn1,$sql1);
                                $row1                  =
mysqli_fetch_assoc($result);
                                do { ?>

```

```

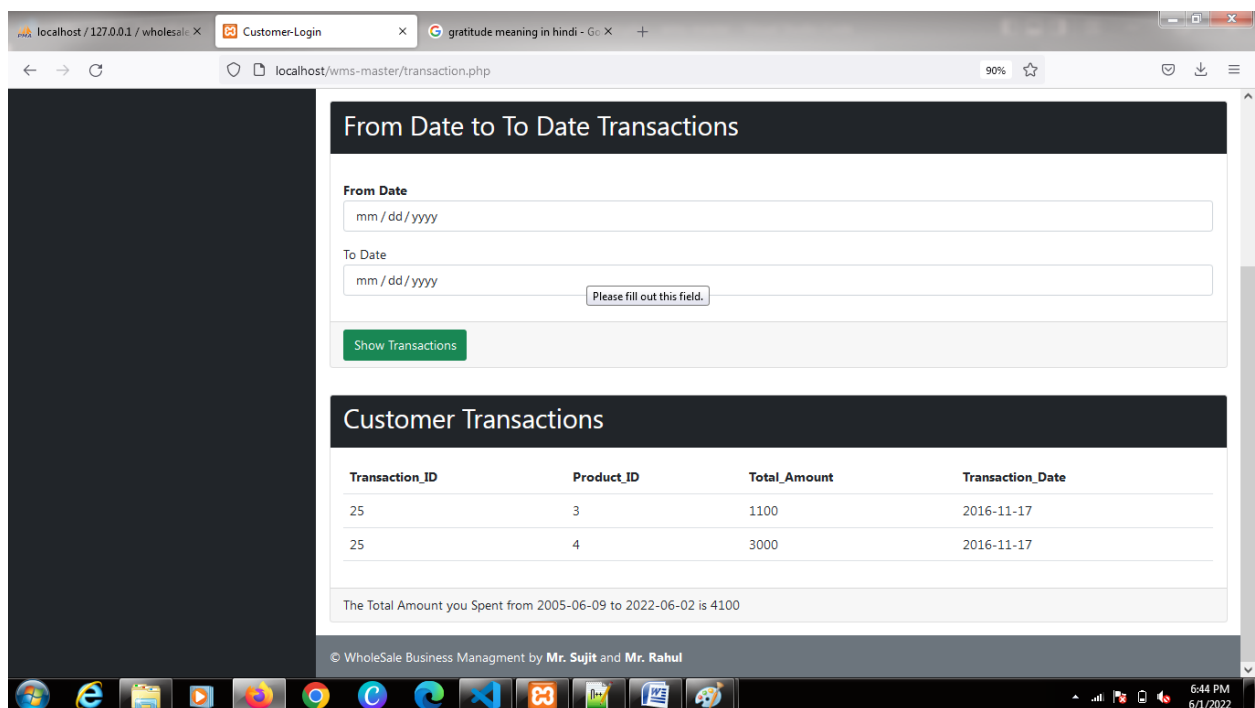
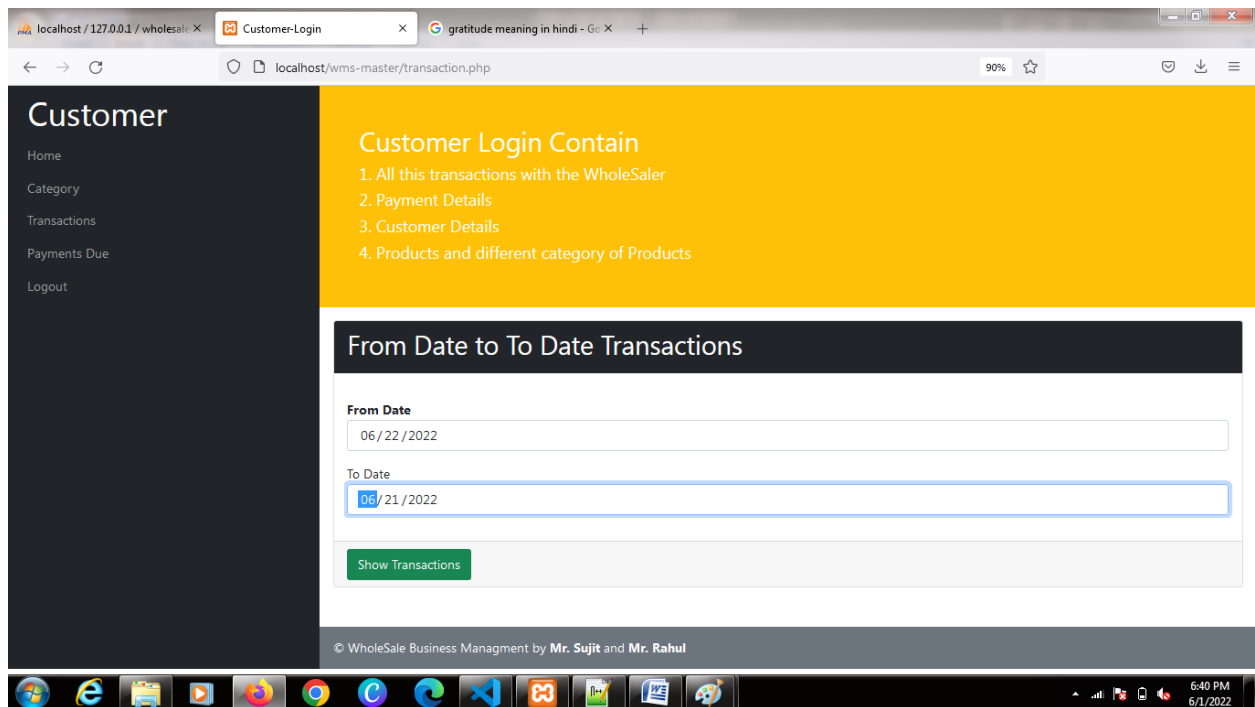
                                <tr>
                                <td><?php echo $row1['CategoryID']; ?></td>
                                <td><?php echo $row1['Pname']; ?></td>
                                <td><?php echo $row1['product']; ?></td>
                                <td><?php echo $row1['Quantity_in_stock']; ?></td>
                                <td><?php echo $row1['USP']; ?></td>
                                <td><?php echo $row1['ReorderLevel']; ?></td>
                                </tr>
                                <?php } while($row1 = mysqli_fetch_assoc($result)) ?>
                                </table>
                                </div>

                                </div>
                                <?php } ?>
                                </div>
                                <?php include('footer.php'); ?>
                                </div>
                                </div>
                                </div>
                                </div>
                                </body>

                                </html>

```

transaction.php(Screenshot)



transaction.php(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
```

```

        header("location:index.php");
    }
    ?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Customer-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
            <div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
                <?php include('customer_navigation.html'); ?>
            </div>
            <div class="col-sm-12 col-md-8 col-lg-9 p-0">
                <?php include('customer_contain_login.html'); ?>
                <div class="container-fluid p-3">
                    <div class="card m-0">
                        <form action="transaction.php" method="POST">
                            <div class="card-header bg-dark text-white">
                                <p class="h2">From Date to To Date Transactions</p>
                            </div>
                            <div class="card-body">
                                <div class="mb-3 mt-3">
                                    <label for="FDate"><strong>From Date</strong></label>
                                    <input type="date" class="form-control" name="FDate" id="FDate"
                                        placeholder="Start Date" required />
                                </div>
                                <div class="mb-3">
                                    <label for="TDate">To Date</label>
                                    <input type="Date" class="form-control" name="TDate" id="TDate"
                                        placeholder="Login ID" required />
                                </div>

                                </div>
                                <div class="card-footer">
                                    <input type="submit" name="Show" class="btn btn-success" value="Show
Transactions" />
                                </div>
                            </form>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </body>

```

```

</div>
<div class="container-fluid p-3">
  <?php
                                if(isset($_POST['Show']))
                                {
                                $fdate = $_POST['FDate'];
                                $tdate = $_POST['TDate'];
                                }
  ?>

```

```

<div class="card p-0">
  <div class="card-header bg-dark text-white">
    <p class="h2">Customer Transactions</p>
  </div>
  <div class="card-body">
    <table class="table table-hover">
      <tr>
        <th>Transaction_ID</th>
        <th>Product_ID</th>
        <th>Total_Amount</th>
        <th>Transaction_Date</th>
      </tr>

      <?php

```

```

                                $conn1 =
mysqli_connect("localhost","root","","WholeSale_Management");

                                $CID = $_SESSION['CID'];
                                $sql = "SELECT
transaction_detail.TransactionID AS t1,transaction_detail.ProductID AS
t2,transaction_detail.Total_Amount AS t3,transaction_detail.Trans_Init_Date AS t4
                                FROM transaction_detail ,
transaction_information
                                WHERE
transaction_information.CustomerID = '$CID'
                                AND
transaction_detail.TransactionID = transaction_information.TransactionID
                                AND
transaction_detail.Trans_Init_Date>='$fdate'
                                AND
transaction_detail.Trans_Init_Date<='<= '$tdate' ";
                                $result =
mysqli_query($conn1,$sql);
                                $row =
                                do {

```

```

        ?>
    <tr>
        <td><?php echo $row['t1']; ?></td>
        <td><?php echo $row['t2']; ?></td>
        <td><?php echo $row['t3']; ?></td>
        <td><?php echo $row['t4']; ?></td>
    </tr>
    <?php } while($row = mysqli_fetch_assoc($result)); ?>
</table>
</div>
<div class="card-footer">
    <?php
        $conn =
mysqli_connect("localhost","root","","WholeSale_Management");
        $sql = $sql = "SELECT
SUM(transaction_detail.Total_Amount) AS t6
FROM transaction_detail,
transaction_information
WHERE
transaction_information.CustomerID = '$CID'
AND transaction_detail.TransactionID =
transaction_information.TransactionID
AND
transaction_detail.Trans_Init_Date>='$fdate'
AND
transaction_detail.Trans_Init_Date<='$tdate'";

        $result1 = mysqli_query($conn,$sql);
        $row = mysqli_fetch_assoc($result1);
    ?>
    The Total Amount you Spent from <?php echo $fdate; ?> to <?php echo
    $tdate; ?> is
    <?php echo $row['t6']; ?>

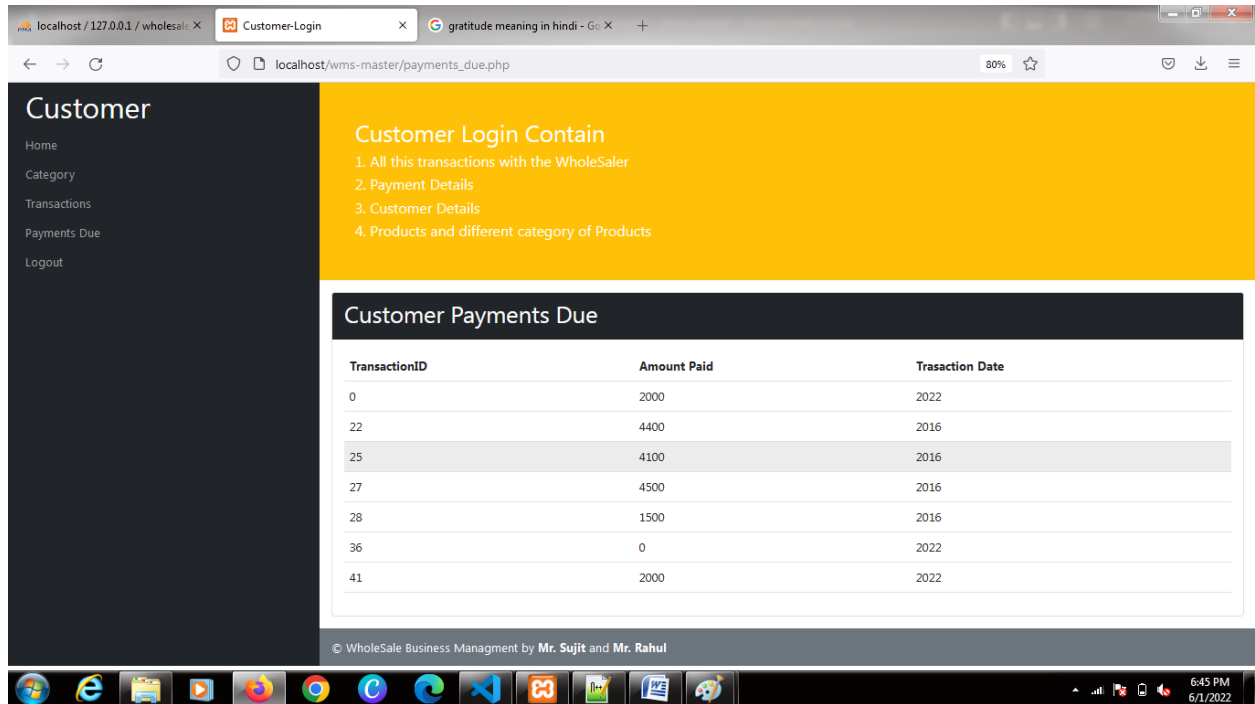
</div>
</div>
<?php } ?>

</div>
<?php include('footer.php'); ?>
</div>
</div>
</div>
</body>

```

</html>

payments_due.php(ScreenShot)



payments_due(Code)

```
<?php
session_start();
if($_SESSION['Login']!="Active")
{
    header("location:index.php");
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
    <title>Customer-Login</title>
    <?php include('links.php'); ?>
</head>

<body>
    <div class="container-fluid">
        <div class="row">
```

```

<div class="col-sm-12 col-md-4 col-lg-3 p-0 bg-dark">
    <?php include('customer_navigation.html'); ?>
</div>
<div class="col-sm-12 col-md-8 col-lg-9 p-0">
    <?php include('customer_contain_login.html'); ?>
    <div class="container-fluid p-3">
        <div class="card m-0">
            <div class="card-header bg-dark text-white">
                <p class="h2">Customer Payments Due</p>
            </div>
            <div class="card-body">
                <table class="table table-hover">
                    <tr>
                        <th>TransactionID</th>
                        <th>Amount Paid</th>
                        <!-- <th>Amount Left</th> -->
                        <th>Trasaction Date</th>
                    </tr>
                    <?php
                        $conn =
mysqli_connect("localhost","root","","WholeSale_Management");
                        $sql = "SELECT TransactionID, Amount_Paid, Transaction_Date FROM
Payment";
                        $result = mysqli_query($conn,$sql);

                        $row = mysqli_fetch_assoc($result);
                        do { ?>
                            <tr>
                                <td><?php echo $row['TransactionID']; ?></td>
                                <td><?php echo $row['Amount_Paid']; ?></td>
                                <!-- <td><?php echo $row['Amount_Left']; ?></td> -->
                                <td><?php echo $row['Transaction_Date']; ?></td>
                            </tr>
                            <?php } while($row = mysqli_fetch_assoc($result)) ?>
                        <tr>
                    </table>
                </div>
            </div>
            <div>
                <?php include('footer.php'); ?>
            </div>
        </div>
    </div>
</body>

```


</html>

Logout.php(code)

```
<?php
```

```
    session_start();
```

```
    session_unset();
```

```
    session_destroy();
```

```
    $_SESSION = array();
```

```
    header("Location:index.php");
```

```
?>
```

Constraints

- Before starting any transaction, check if the quantity of that ordered product is less than the quantity in stock and also check if the quantity of the ordered product is more than the minimum quantity as defined by the wholesaler. If not, don't continue further.
- A Reorder Level is set for each product and when the quantity in stock of a particular product goes below the reorder level then the product is inserted into the depleted stocks table until filled back.
- The 'mode' attribute of table payment can only have the values: 'cash', 'debit card' or 'credit card'.

Important Triggers

- **'max_min_quantity'**: This trigger checks if the quantity ordered of a particular product is less than maximum and more than the minimum allowed. Also decreases the quantity in stock of the product ordered. BEFORE INSERT ON 'TRANSACTION_DETAIL'.
- **'depleted_check_update'**: It checks if the 'quantity_in_stock' is less than 'ReorderLevel'. If yes, it inserts that particular product in 'depleted_product' table. Also, removes a product from the 'depleted_product' table when the quantity of product is increased. BEFORE UPDATE OR INSERT ON 'PRODUCT'.
- **'decreased_quantity'**: In case a transaction fails, the quantity of product has to be restored to its original level before the transaction. This trigger is used to do that. BEFORE DELETE ON 'TRANSACTION_INFORMATION'.

Conclusion: Limitations and Discussion

This is a small prototype of a sales management application for a wholesale business. The limitation of the application is that it lacks enough features to be implemented in a real life situation.

Such an application, if built with professional expertise, can be highly useful cost effective way for small businesses to manage themselves efficiently. A wholesale business works completely on the concept of offline transactions thus making it easy to manage such an application since it doesn't have to manage online transactions, yet at the same time making the business records more secure.

A legal implementation of this application can be if the government decides to provide a WMS application to small business owners so that their sales are on the official record, thus making it difficult for them to evade taxes.

References

- Database Systems, 6th Edition, by Ramez Elmasri and Shamkant B.Navathe.
- 'Wholesale Management System' by Lee Yee Fhong, National Technical University College of Malaysia, 2004.
- 'DESIGNING A LOGICAL DATA MODEL FOR A SALES AND INVENTORY MANAGEMENT SYSTEM' by Hari Krishna Mahat.
- Public domain information of 'White Clarke North America WholesaleManagement Table'.