

VISVESVARAYATECHNOLOGICALUNIVERSITY

"JnanaSangama",Belgavi-590018,Karnataka,India



A

REPORT

ON

“SUPER MARKET BILLING SYSTEM”

Submitted in Partial Fulfillment of the requirements for the award of the degree of

**BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE AND ENGINEERING**

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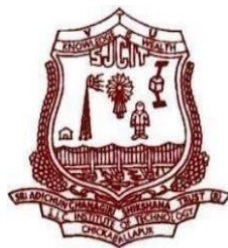
**Carried out at
BGS R&D
Centre, Dept of
CSE, SJCIT**

Under the guidance of

Ms. GAYATHRI v

Teacher Assistant

Dept. of CSE,SJCIT



**SJC INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CHIKKABALLAPUR-562101**

2023-2024

||Jai Sri Gurudev||

Sri Adichunchanagiri Shikshana Trust®

SJC INSTITUTE OF TECHNOLOGY, Chickballapur-562101
Department of Computer Science and Engineering



CERTIFICATE

This is to certify that the project work entitled **“SUPER MARKET BILLING SYSTEM”** is a bonafied work carried out by **GAGANA G(1SJ21CS044), KRUTIKA I BENOOR(1SJ21CS070) and LAVANYA(1SJ21CS080)** in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering of Visvesvaraya Technological University, Belagavi** during the year **2023-2024**. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The project report has been approved as it satisfies the academic requirements with respect to project work prescribed for the Bachelor of Engineering degree.

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DECLARATION

We GAGANA G(1SJ21CS044), KRUTIKA I BENOOR(1SJ21CS070) and LAVANYA V(1SJ21CS080) Student of VI semester B.E in Computer Science and Engineering at S J C Institute of Technology, Chickballapur, hereby declare that this work entitled “SUPER MARKET BILLING SYSTEM” has been carried out at B.G.S R&D Centre, Dept. of CSE, SJCIT under the guidance of guide [Ms.GAYATHRI V, Teaching Assistant], Dept. of CSE, SJC Institute of Technology, Chickballapur and submitted during the academic year 2023-2024. We further declare that the report had not been submitted to another university for the award of any other degree.

Place: Chikkaballapur
Date:

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ABSTRACT

The project is on **Super Market Billing**. Supermarket is the place where the customers come to purchase their daily using product and pay for that. So there is a need to calculate how many products are sold and to generate the bill for the customer.

In our project we have three users. First is the data entry operator who will enter the products in database.

Second one is the administrator who will decide the taxes and commissions on the products and can see the report of any product.

Third one is the bill calculating operator who will calculate the bill and print.

ACKNOWLEDGEMENT

With reverential pranam, we express my sincere gratitude and salutations to the feet of his holiness **Paramapoojya Jagadguru Byravaikya Padmabhushana Sri Sri Sri Dr. Balagangadharanatha Maha Swamiji**, his holiness **Paramapoojya Jagadguru Sri Sri Sri Dr. Nirmalanandanatha Maha Swamiji**, and **Sri Sri Mangalnath Swamiji**, Sri Adichunchanagiri Mutt for their unlimited blessings.

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CHAPTER 1

INTRODUCTION TO DBMS

A database is simply an organized collection of related data, typically stored on disk, and accessible by possibly many concurrent users. Databases are generally separated into application areas. For example, one database may contain Human Resource (employee and payroll) data; another may contain sales data; another may contain accounting data; and so on. Databases are managed by a DBMS.

1.1 Introduction

A Database Management System (DBMS) is a set of programs that manages any number of databases. DBMS stands for Database Management System. We can break it like this DBMS is Database and Management System. Database is a collection of data and Management System is a set of programs to store and retrieve those data. Based on this we can define DBMS like this, DBMS is a collection of inter-related data and set of programs to store & access those data in an easy and effective manner. Database systems are basically developed for large amount of data. When dealing with huge amount of data, there are two things that require optimization, Storage of data and retrieval of data.

1.2 Application of DBMS

Applications where we use Database Management Systems are:

- Telecom: There is a database to keep track of the information regarding calls made, network usage, customer details etc. Without the database systems it is hard to maintain that huge amount of data that keeps updating every millisecond.
- Industry: Where it is a manufacturing unit, warehouse or distribution centre, each one needs a database to keep the records of ins and outs. For example distribution centre should keep a track of the product units that supplied into the centre as well as the products that got delivered out from the distribution centre on each day; this is where DBMS comes into picture.
- Education sector: Database systems are frequently used in schools and colleges to store and retrieve the data regarding student details, staff details, course details,

exam details, payroll data, attendance details, fees details etc. There is a hell lot amount of inter-related data that needs to be stored and retrieved in an efficient manner.

- Online shopping: You must be aware of the online shopping websites such as Amazon, Flipkart etc. These sites store the product information, your addresses and preferences, credit details and provide you the relevant list of products based on your query. All this involves a Database management system.

1.3 Introduction to SQL

Structure Query Language (SQL) is a programming language used for storing and managing data in RDBMS. SQL was the first commercial language introduced for E.F Codd's Relational model. Today almost all RDBMS (MySQL, Oracle, Infomix, Sybase, MS Access) uses SQL as the standard database language. SQL is used to perform all type of data operations in RDBMS.

SQL Command

SQL defines following data languages to manipulate data of RDBMS.

DDL : Data Definition Language

All DDL commands are auto-committed. That means it saves all the changes permanently in the database.

Command	Description
Create	to create new table or database
Alter	for alteration
Truncate	delete data from table
Drop	to drop a table
Rename	to rename a table

DML : Data Manipulation Language

DML commands are not auto-committed. It means changes are not permanent to database, they can be rolled back.

Command	Description
Insert	to insert a new row
update	to update existing row
delete	to delete a row
merge	merging two rows or two tables

TCL : Transaction Control Language

These commands are to keep a check on other commands and their effect on the database. These commands can annul changes made by other commands by rolling back to original state. It can also make changes permanent.

Command	Description
commit	to permanently save
rollback	to undo change
savepoint	to save temporarily

DCL : Data Control Language

Data control language provides command to grant and take back authority.

Command	Description
grant	grant permission of right
revoke	take back permission.

DQL : Data Query Language

Command	Description
Select	retrieve records from one or more table

Aggregate Functions

Count, Sum, Avg, Min, Max are aggregate functions used in DBMS.

1.4 Basic Operations Of SQL

Union

UNION is used to combine the results of two or more Select statements. However it eliminate duplicate rows from its result set. In case of union, number of columns and datatype must be same in both the tables.

Intersect

Intersect operation is used to combine two SELECT statements, but it only returns the records which are common from both SELECT statements. In case of Intersect the number of columns and datatype must be same. MySQL does not support INTERSECT operator.

Minus

Minus operation combines result of two Select statements and return only those result which belongs to first set of result. MySQL does not support INTERSECT operator.

CHAPTER 2

SUPER MARKET BILLING

Message Transmission is an OpenGL program that demonstrates a simple illustration of how the communication was evolved. OpenGL is a low-level graphics library specification. It makes available to the programmer a small set of geometric primitives-points, lines, polygons, images and bitmaps. In this program we have made use of such primitives for illustrating the Message Transmission program.

2.1 Description

Many Super market use this type of billing system for a decade.it is also improved many times cording to requirements of seller and customers .It does same work that is calculating the bill, gives it to the customer maintain proper database. They are the accurate in calculation and printing, they also generate records.

A new concept is also added in the billing system is that they also maintain a relationships with the customers who purchase more products from stores regularly. System also concerns their requirements and gives them more commission. It also shows the overall profit and profit on a particular product and give report which items are required and which have cross their expiry date.

2.2 AIM

1. As mentioned and stated above the main aim of this project is to make the process of bidding simpler and time efficient. Further we also insist on maintaining the data of the user, products clear and perfect.

2.3 Working

Work in the Super market will be done in the following way:

1. The product will come in the store.
2. Data entry operator will enter the information of the product in the database.

SCOPE

Our project has a big scope to do.

We can:

1. Calculate the bill.
2. Give the bill to the customer.
3. Store how many products are sold.
4. Store products and their prices and with other information.
5. Set the rates of taxes and commission on the products.
6. Can see the report of the product in a fix period of time.
7. Change the Graphical User Interface of the system.

We can't:

1. Calculate of the salaries of the employees.
2. Calculate the expanses on the product.

Programming Languages:

We will use following languages for the coding:

Front End: PHP, HTML.

Back End: MYSQL Database

2.4 Statement of Problem

- The real world super market has many problems.
- To start with, offline markets may have people entering unauthorized, there may be a cause of disturbance.
- In the present situation of the changing world gathering of people is considered the most dangerous act.
- By the proposed project both unauthorized users and group gathering can be eliminated.
- E-bidding also supports digital banking leading to less fraud and stealing threat As said the main aim of the this project is to make bidding simpler and easier.

2.5 Objective of study

The project aims to develop a functioning super market bi ng management system.

The objectives include:

- To gather products under one system: This project tries to bring all the objects that is ready for a bid into a single system, which makes it easier for the users to find their interests.
- To create a clear database of the users: The project also stores the information of the users without any fraud or theft.
- To promote digitalization: The project also directly supports the process of digitalization which has been a very important aim of the government and the private sector.
- To promote online banking: This also helps in promoting online banking and enlightens the people of technology.

2.6 ALGORITHM FOR LOGINPAGES

Step 1: Start

Step 2: Declare a variable username and password

Step 3: Read variable username and password

Step 4: if username= password

Open a new page

Else

Display error message

2.7 SIGNIFICANCE OF STUDY

With the development and up gradation of the system , the study numerous values in business premises and revenue payment:

- The users attain higher quality and assurance: With the usage of the proposed system user can expect higher quality.

- The products set for bid would be more worth: The items listed for customers will be of high value and worth.
- High security: The system would possess a very secure and safe environment for transactions and processing.

2.8 Analysis of the Proposed System

- The proposed system is a web based application and maintains a centralized Repository of all related information.
- The system allows one to easily access the relevant information and make necessary sales.

The user has full access over the choices and specifications of the object he/she is Customer.

CHAPTER 3

HARDWARE AND SOFTWARE REQUIREMENTS

In the development of any software application configuration, we require some particular system of software and hardware components. This configuration the proper helps in achieving execution.

The various Tequirements that are essential for this project are specified over here. These Tequirements have to be fulfilled for successful of the project. The purpose, scope along with hardware and software Tequirements helps proper execution.

3.1 Hardware Requirements

The project works with any IBM PC compatibles, with Intel or AMD processors. A minimum of 32MB RAM is indispensable for smooth running of the package.

- | | | |
|----------------------------|---|----------------|
| 1. Processor | : | Min IntelX86 |
| 2. Memory requirement | : | Min 20MB |
| 3. Display type resolution | : | 1366x768 pixel |

3.2 Software Requirements

A SR description of a software system to be developed. This document enlists enough and necessary requirements that are required for the project development.

- | | | |
|------------------------------|---|------------------|
| 1. Software type | : | XAMPP |
| 2. Implementation Language | : | PHP, MYSQL |
| 3. Source code lines | : | About 1000 lines |
| 4. Operating System required | : | Windows 10 |

CHAPTER 4

DESIGN PHASE

Design is the creation of a plan or convention for the construction of an object or system (as in architectural blueprints, engineering drawings, business processes, circuit diagrams and sewing patterns). Design has different connotations in different fields (see design disciplines below). In some cases the direct construction of an object (as in pottery, engineering, management, cowboy coding and graphic design) is also considered to be design. A specification of an object, manifested by an agent, intended to accomplish goals, in a particular environment, using a set of primitive components, satisfying a set of requirements, subject to constraints. Another definition for design is a roadmap or a strategic approach for someone to achieve a unique expectation. It defines the specifications, plans, parameters, costs, activities, processes and how and what to do within legal, political, social, environmental, safety and economic constraints in achieving that objective. Designing often necessitates considering the aesthetic, functional, economic and sociopolitical dimensions of both the design object and design process. It may involve considerable research, thought, modeling, interactive adjustment, and re-design. Meanwhile, diverse kinds of objects may be designed, including clothing, graphical user interfaces, skyscrapers, corporate identities, business processes and even methods of designing.

4.1 Entity Relationship Diagram

Definition of ER Diagram

An Entity relationship describes inter-related things of interest in a specific domain of knowledge. An ER model is composed of entity types and specifies relationships that can exist between instances of those entity types. In software engineering an ER model is commonly formed to represent things that a business needs to remember in order to perform business processes. Consequently, the ER model becomes an abstract data model that defines a data or information structure that can be implemented in a database, typically a relation database.

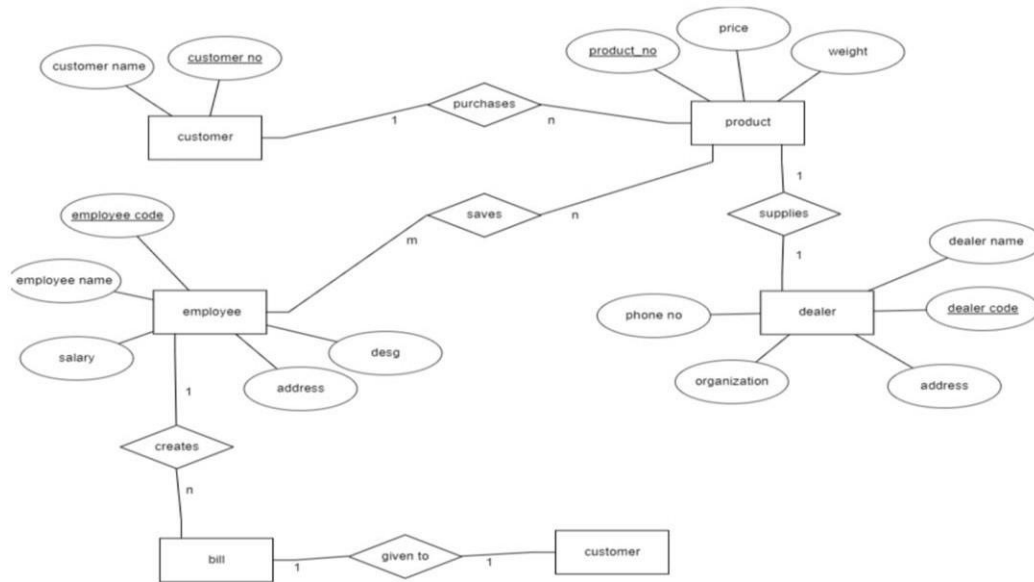


Figure 4.1 Entity Relationship diagram

4.2 Schema Diagram

Definition of schema diagram

The database schema of database system is its structure described in a formal language supported by the database management system. The term “schema” refers to the organization of data as a blue print of how the database is constructed. The formal definition of database schema is a set of formulas called integrity constraints imposed on a database. These integrity constraints are expressible in the same language. A database can be considered a structure in realization of the database language. The states of a created conceptual schema are transformed into an explicit mapping, the database schema. This describes how real-world entities are modelled in the database.

Customer

Customer name	<u>Customer no</u>	Purchase
---------------	--------------------	----------

Product

<u>Product no</u>	price	weight	purchase	supplier
-------------------	-------	--------	----------	----------

Employee

<u>Employee name</u>	<u>Employee code</u>	address	salary
----------------------	----------------------	---------	--------

Dealer

Phone no	<u>dealer name</u>	organization	address	dealer code	supplier
----------	--------------------	--------------	---------	-------------	----------

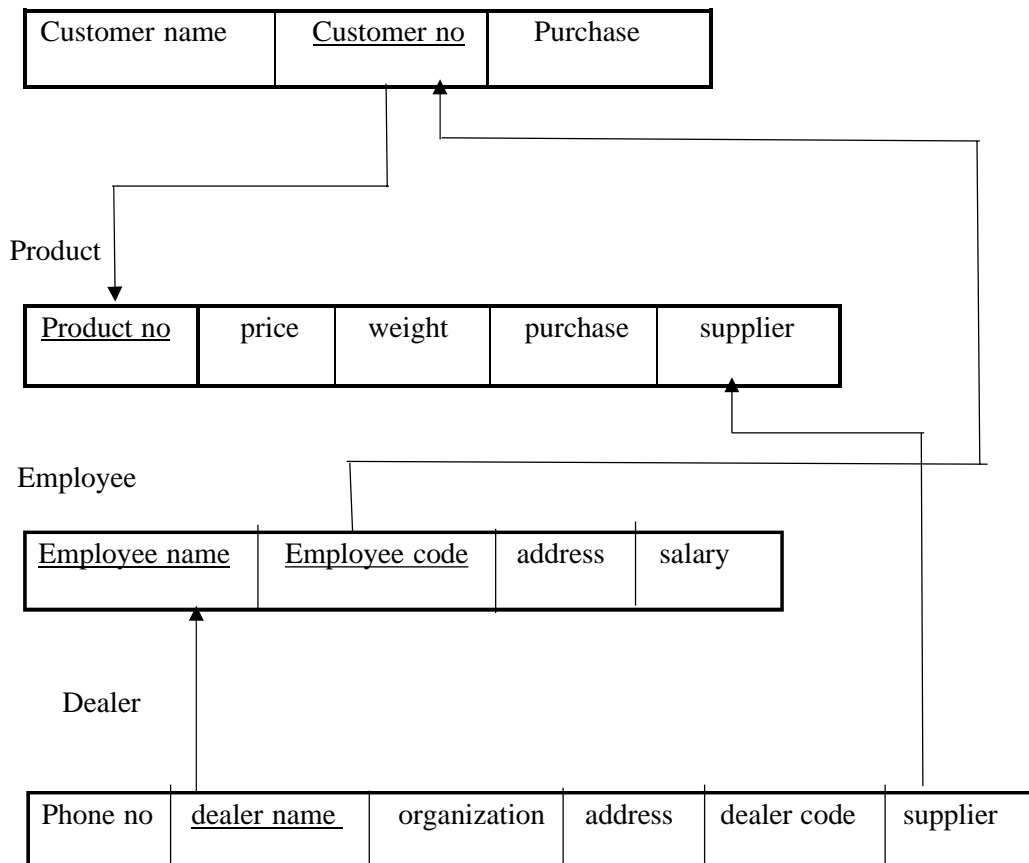


Figure 4.2 Schema diagram

CHAPTER 5

IMPLEMENTATION

The implementation is the process of assuring that the information system is operational and then allowing users take over its operations for use and evaluation. Implementation includes the following activities:

- Obtaining and installing the system Hardware
- Providing user access to the system.
- Creating and updating the database.
- Training the users in the new system.

5.1 Platform

Window 10 is a personal computer operating system developed by Microsoft, a version of Windows NT. Development of 10 occurred as early as 8.1 under the codename “**Blackcomb**”. Windows 10 is available in six different editions, of which the Home Premium, Professional, and Ultimate editions are available for retail sale to customers.

The advantages of Windows 10 are:

- Improved performance.
- Enhanced searching capabilities.
- Location aware printing.
- Virtual hard disk support.
- Expanded security.
- Get better security built-in.
- Hassle-free backups.
- Have all your files instantly at hand.

5.2 Language

PHP is a widely used, general-purpose scripting language that was originally designed for web development, to produce dynamic web pages. It can be embedded into HTML and generally runs on a web server, which needs to be configured to process PHP code and create web page content from it. It can be deployed on most web servers and on almost on every operating system and platform free of charge. PHP is installed on over 20 million websites and 1 million web servers.

PHP was originally created by Rasmus Lerdorf in 1994 and has been in continuous development ever since. The main implementation of PHP is now produced by the PHP group and serves as the de facto standard for PHP as there is no formal specification. PHP is free software released under the PHP License, which is compatible with the GNU General public license (GPL) because of restrictions on the use of the term PHP

5.3 Modules

- **Module 1 – Login page**
- **Module 2 – Admin page**
- **Module 3 – Cashier page**

LOGIN PAGE:

```
<!DOCTYPE html>
```

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

```
<head>
```

```
    <meta charset="utf-8">
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
    <meta name="description" content="">
```

```
    <meta name="author" content="">
```

```
    <title>STOP & SHOP</title>
```

```
    <link rel="shortcut icon" href="logoc.jpg">
```

```
    <!-- Bootstrap Core CSS -->
```

```
    <link href="../vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
```

```
    <!-- MetisMenu CSS -->
```

```
    <link href="../vendor/metisMenu/metisMenu.min.css" rel="stylesheet">
```

```
    <!-- Custom CSS -->
```

```
    <link href="../dist/css/sb-admin-2.css" rel="stylesheet">
```

```
    <!-- Custom Fonts -->
```

```
<link href="../../vendor/font-awesome/css/font-awesome.min.css" rel="stylesheet"
type="text/css">
```

```
<body>
```

```
<!-- HTML5 Shim and Respond.js IE8 support of HTML5 elements and media queries -->
```

```
<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
```

```
<!--[if lt IE 9]>
```

```
    <script src="https://oss.maxcdn.com/libs/html5shiv/3.7.0/html5shiv.js"></script>
```

```
    <script src="https://oss.maxcdn.com/libs/respond.js/1.4.2/respond.min.js"></script>
```

```
<![endif]-->
```

```
</head>
```

```
<body>
```

```
    <?php
```

```
        function createRandomPassword() {
            $chars = "003232303232023232023456789";
```

```
            srand((double)microtime()*1000000);
```

```
            $i = 0;
```

```
            $pass = " ";
```

```
            while ($i <= 7) {
```

```
                $num = rand() % 33;
```

```
                $tmp = substr($chars, $num, 1);
```

```
                $pass = $pass . $tmp;
```



```

        $i++;

    }

    return $pass;

}

$finalcode='RS-'.createRandomPassword();

?>

<div class="container">
<div class="row">
<div class="col-md-4 col-md-offset-4">
<div class="login-panel panel panel-default">
<div class="panel-heading">
<h3 class="panel-title"><b>STOP & SHOP </b></h3>
</div>
<ul class="nav nav-pills">
<li class="active"><a data-toggle="pill" href="#home">Admin</a></li>
<li><a data-toggle="pill" href="#menu2">Cashier</a></li>
</ul>
<div class="tab-content">
<!-- Department -->
<div id="home" class="tab-pane fade in active">
<br />
<form method="post" name="admin_form">
<div class="form-group">
<input type="text" class="form-control" name="username"
placeholder="Username">
</div>
<div class="form-group">

```

```
<input type="password" class="form-control" name="pass" placeholder="Password">
</div>
<div class="form-group">
<button class="btn btn-block btn-success" id = "btn-login" name = "btn-login">Log
in</button>
</div>
<div class="form-group" id="alert-msg">
</div>

</form>
</div>
<div id="menu2" class="tab-pane fade">
<br />
<form method="post" name="cashier_form">
<div class="form-group">
<input type="text" class="form-control" name="cashier_username"
placeholder="Username">
</div>
<div class="form-group">
<input type="password" class="form-control" name="cashier_pass"
placeholder="Password">
</div>
<div class="form-group">
<button class="btn btn-block btn-success" id = "btn" name = "btn">Log in</button>
</div>
<div class="form-group" id="alert-msg1">
</div>
</form>
</div>
</div>
```

```
</div>

</div>

</div>

</div>

<!-- jQuery -->
<script src="../vendor/jquery/jquery.min.js"></script>

<!-- Bootstrap Core JavaScript -->
<script src="../vendor/bootstrap/js/bootstrap.min.js"></script>

<!-- Metis Menu Plugin JavaScript -->
<script src="../vendor/metisMenu/metisMenu.min.js"></script>

<!-- Custom Theme JavaScript -->
<script src="../dist/js/sb-admin-2.js"></script>

<script type="text/javascript">
jQuery(function(){
$( 'form[name="admin_form"]' ).on( 'submit', function( donard ){
donard.preventDefault();

var a = $(this).find('input[name="username"]').val();
var b = $(this).find('input[name="pass"]').val();

if (a === " " && b === ""){
$( '#alert-msg' ).html( '<div class="alert alert-danger">All fields are required!</div>' );
}else{
$.ajax({
type: 'POST',
```

```
url: 'new_login.php',
data: {
  username: a,
  password: b
},
beforeSend: function(){
  $('#alert-msg').html("");
}
})
.done(function(donard){
  if (donard == 0){
    $('#alert-msg').html('<div class="alert alert-danger">Incorrect username or
password!</div>');
  }else{
    $("#btn-login").html(' &nbsp; Signing In ...');
    setTimeout(' window.location.href = "home.php"; ',2000);
  }
});
}
});

$('#form[name="cashier_form"]').on('submit', function(donard){
  donard.preventDefault();

  var a = $(this).find('input[name="cashier_username"]').val();
  var b = $(this).find('input[name="cashier_pass"]').val();

  if (a === " " && b === ""){
    $('#alert-msg1').html('<div class="alert alert-danger">All fields are required!</div>');
  }else{
```

```
$.ajax({
  type: 'POST',
  url: 'cashier/new_login.php',
  data: {
    username: a,
    password: b
  },
  beforeSend: function(){
    $('#alert-msg1').html("");
  }
})
.done(function(donard){
  if (donard == 0){
    $('#alert-msg1').html('<div class="alert alert-danger">Incorrect username or
password!</div>');
  }else{
    $("#btn").html(' &nbsp; Signing In ...');
    setTimeout(' window.location.href = "cashier/sales.php?id=cash&invoice=?php echo
$finalcode ?>"; ',2000);
  }
});
}
});
});
</script>
</body>
</html>
```

ADMIN PAGE:

```
<?php
require_once('auth.php');
?>

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

<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="">
<meta name="author" content="">
<title>STOP & SHOP</title>
<link rel="shortcut icon" href="logoc.jpg">
<!-- Bootstrap Core CSS -->
<link href="../../vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<!-- MetisMenu CSS -->
<link href="../../vendor/metisMenu/metisMenu.min.css" rel="stylesheet">
<!-- Custom CSS -->
<link href="../../dist/css/sb-admin-2.css" rel="stylesheet">
<!-- Morris Charts CSS -->
<link href="../../vendor/morrisjs/morris.css" rel="stylesheet">
<!-- Custom Fonts -->
<link href="../../vendor/font-awesome/css/font-awesome.min.css" rel="stylesheet"
type="text/css">

<link href="../../css/bootstrap-datepicker.min.css" rel="stylesheet">
<link href="../../js/datepicker.js" rel="stylesheet">
<link href="../../js/bootstrap-datepicker.min.js" rel="stylesheet">
```

```
<link href="src/facebox.css" media="screen" rel="stylesheet" type="text/css" />
<script src="lib/jquery.js" type="text/javascript"></script>
<script src="src/facebox.js" type="text/javascript"></script>
<script type="text/javascript">
jQuery(document).ready(function($) {
$(a[rel*=facebox]).facebox({
loadingImage : 'src/loading.gif',
closeImage : 'src/closetlabel.png'
})
})
</script>
</head>
<body>
<div id="wrapper">
<?php include('navfixed.php');?>
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h3 class="page-header">Welcome:<strong>
<?php echo
$session_admin_name;?></strong></h3>
</div>
<!-- /.col-lg-12 -->
</div>
<!-- <div id="myCarousel" class="carousel slide">
<ol class="carousel-indicators">
<li data-target="#myCarousel" data-slide-to="0" class="active"></li>
<li data-target="#myCarousel" data-slide-to="1"></li>
<li data-target="#myCarousel" data-slide-to="2"></li>
<li data-target="#myCarousel" data-slide-to="3"></li>
```

```
<li data-target="#myCarousel" data-slide-to="4"></li>
</ol>

<center>
<div class="carousel-inner" role="listbox">
<div class="item active">

</div>
<div class="item">

</div>
<div class="item">

</div>
<div class="item">

</div>
<div class="item">

</div>
</div>
</center>
<a class="left carousel-control" href="#myCarousel" data-slide="prev" >
<span class="icon-prev"></span>
</a>
<a class="right carousel-control" href="#myCarousel" data-slide="next">
<span class="icon-next"></span>
</a>
</div> -->
```



```
<div id="orayt">
<a class="list-group-item">
<?php
function formatMoney($number, $fractional=false) {
if ($fractional) {
$number = sprintf("%.2f", $number);
}
while (true) {
$replaced = preg_replace('/(-?\d+)(\d\d\d)/', '$1,$2', $number);
if ($replaced != $number) {
$number = $replaced;
} else {
break;
}
}
return $number;
}
?>
<?php
include('connect.php');
$today = date('m/d/Y');
$sql = "SELECT sum(amount) FROM sales WHERE date = ?";
$query = $db->prepare($sql);
$query->execute(array($today));
$fetch = $query->fetchAll();
foreach ($fetch as $key => $value) {
$data = $value['sum(amount)'];
}
$json = json_encode($data);
```

```
?>

<?php echo "<font style = 'color:black;'>Total Sales For Today: </font>";
echo "<font style = 'color:red;'>Php" . formatMoney($data, true) . "</font>" . " ";
echo $today; ?>

</a>

<a class="list-group-item" href ="view_productqty.php">
Re-Order<span class="badge">

<?php
include('connect.php');

$result = $db->prepare("SELECT * FROM products where qty_left < 50 ORDER BY
product_id DESC");

$result->execute();

$rowcount = $result->rowcount();

?>

<?php echo $rowcount;?>

</span>

</a>

<a class="list-group-item" href ="view_customer.php">
Credit <span class="badge">

<?php
include('connect.php');

$today = date('Y-m-d');

$sql = "SELECT * FROM sales WHERE due_date = ?";

$query = $db->prepare($sql);

$query->execute(array($today));

$fetch = $query->fetchAll();

$rowcount = $query->rowcount();

?>

[<?php echo $rowcount;?>] <?php echo "$today" ?>

</span>

</a>
```

```
<a class="list-group-item" href="view_exproduct.php">
Product Expiration <span class="badge">
<?php
include('connect.php');
$today = date('Y-m-d');
$sql = "SELECT * FROM products WHERE products.expiration_date >= DATE(now())
AND
products.expiration_date <= DATE_ADD(DATE(now()), INTERVAL 1 MONTH)";
$query = $db->prepare($sql);
$query->execute(array($today));
$fetch = $query->fetchAll();
$rowcount = $query->rowcount();
?>
[<?php echo $rowcount;?>] <?php echo "$today" ?>
</span>
</a>
<!--<a class="list-group-item" href="view_overdue.php">
Overdue <span class="badge">
<?php
include('connect.php');
$today = date('Y-m-d');
$sql = "SELECT due_date FROM sales WHERE DATE(due_date) = DATE( DATE_SUB(
NOW() , INTERVAL 1 DAY ) )";
$query = $db->prepare($sql);
$query->execute(array($today));
$fetch = $query->fetchAll();
$rowcount = $query->rowcount();
?>
[<?php echo $rowcount;?>] <?php echo "$today" ?>
</span>
</a-->
```

```
</div>

<!-- /.row -->

</div>

<!-- /.row -->

</div>

<!-- /#page-wrapper -->

</div>

<!-- /#wrapper -->

<!-- jQuery -->

<script src="../../vendor/jquery/jquery.min.js"></script>

<!-- Bootstrap Core JavaScript -->

<script src="../../vendor/bootstrap/js/bootstrap.min.js"></script>

<!-- Metis Menu Plugin JavaScript -->

<script src="../../vendor/metisMenu/metisMenu.min.js"></script>

<!-- Morris Charts JavaScript -->

<script src="../../vendor/raphael/raphael.min.js"></script>

<script src="../../vendor/morrisjs/morris.min.js"></script>

<script src="../../data/morris-data.js"></script>

<!-- Custom Theme JavaScript -->

<script src="../../dist/js/sb-admin-2.js"></script>

<script>
$($('.carousel').carousel({
  interval: 3000 //changes the speed
}))
</script>

</body>

</html>
```

CASHIER PAGE:

```
<?php
require_once('auth.php');
?>
<!DOCTYPE html>
<html lang="en">

<head>

<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="">
<meta name="author" content="">

<title>CURE GROCERY</title>

<link rel="shortcut icon" href="logo.jpg">

<!-- Bootstrap Core CSS -->
<link href="vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">

<!-- MetisMenu CSS -->
<link href="vendor/metisMenu/metisMenu.min.css" rel="stylesheet">

<!-- Custom CSS -->
<link href="dist/css/sb-admin-2.css" rel="stylesheet">

<!-- Morris Charts CSS -->
<link href="vendor/morrisjs/morris.css" rel="stylesheet">

<!-- Custom Fonts -->
<link href="vendor/font-awesome/css/font-awesome.min.css" rel="stylesheet">
```

```
type="text/css">

<link href="css/bootstrap-datepicker.min.css" rel="stylesheet">
<link href="js/datepicker.js" rel="stylesheet">
<link href="js/bootstrap-datepicker.min.js" rel="stylesheet">
<link href="src/facebox.css" media="screen" rel="stylesheet" type="text/css" />
<script src="lib/jquery.js" type="text/javascript"></script>
<script src="src/facebox.js" type="text/javascript"></script>
<script type="text/javascript">
jQuery(document).ready(function($) {
$( 'a[rel*=facebox]' ).facebox({
loadingImage : 'src/loading.gif',
closeImage : 'src/closetlabel.png'
})
})
</script>
</head>
<body>
<div id="wrapper">
<?php include('navfixed.php');?>
<div id="page-wrapper">
<div class="row">
<div class="col-lg-12">
<h1 class="page-header">Welcome:<strong> <?php echo $session_cashier_name;
?></strong></h1>
</div>
<!-- /.col-lg-12 -->
</div>

</div>
```

```
<!-- /.row -->

</div>

<!-- /.row -->

</div>

<!-- /#page-wrapper -->

</div>

<!-- /#wrapper -->

<!-- jQuery -->

<script src="vendor/jquery/jquery.min.js"></script>

<!-- Bootstrap Core JavaScript -->

<script src="vendor/bootstrap/js/bootstrap.min.js"></script>

<!-- Metis Menu Plugin JavaScript -->

<script src="vendor/metisMenu/metisMenu.min.js"></script>

<!-- Morris Charts JavaScript -->

<script src="vendor/raphael/raphael.min.js"></script>

<script src="vendor/morrisjs/morris.min.js"></script>

<script src="data/morris-data.js"></script>

<!-- Custom Theme JavaScript -->

<script src="dist/js/sb-admin-2.js">

</script>

$('carousel').carousel({
  interval: 3000 //changes the speed
})

</script>

</body>

</html>
```

CHAPTER 6

CONCLUSION AND FUTURE ENHANCEMENT

6.1 CONCLUSION

It has been a great pleasure for me to work on this exciting and challenging project. This project proved good for me as it provided practical knowledge of not only programming in PHP web based application and no some extent Windows Application and MySQL Server, but also about all handling procedure related with “**SUPER MARKET BILLING SYSTEM**”. It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in developing projects independently.

6.2 FUTURE ENHANCEMENT

- This project will help the store keeper in fast billing.
- This project enables store keeper to great database of all customers visited and purchased from store.
- Project will enable to see report regarding product and category.
- It is easy to maintain in future prospect.

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 2. Blum, A.L., Frust, M.L.: Fast planning through planning graph analysis, Artificial Intelligence90(12),281-300(1997).
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 4. McArthur,S. Beyond carrying capacity: introducing a model to monitor and manage visitors activity in forests. In:Font. X.AND Tribe,J.(Editors).Forest Tourism and Recreation: Case studies in environmental management. Pp: 259-278. CABI publishing, NewYork, 2000.
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<http://www.andrewsinternational.com/technology/documents/technology-visitor-management.pdf>
 6. Zhou, N., Dovie, A.: A tabled prolog program for solving sokoban.Fundam. Inform. 124(4),561-575(2013).
<http://www.andrewsinternational.com/technology/documents/technology-visitor-management.pdf>
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- www.wikipedia.com
- www.php.com
- www.mysql.com
- www.phptutorial.com
- DATABASE MANAGEMENT SYSTEMS-NAVATHE AND
RAMAKRISHNAN

APPENDIX A

ACRONYMS AND SYNONYMS

ER : Entity Relationship

SR : Software requirements

SQL : Structured Query Language

DBMS : Database Management System

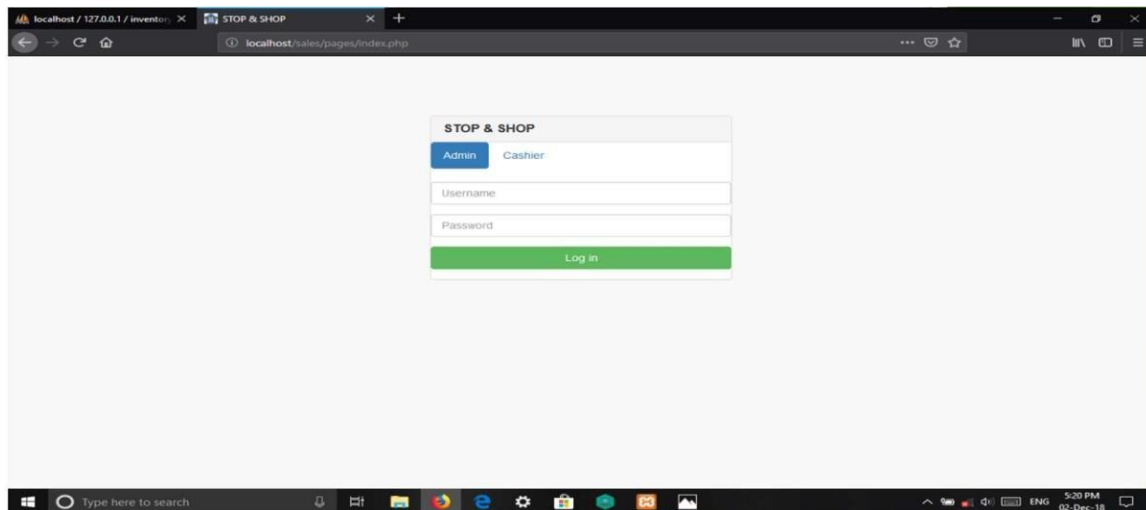
PHP : Hypertext Preprocessor (earlier called, personal home page)

APPENDIX B

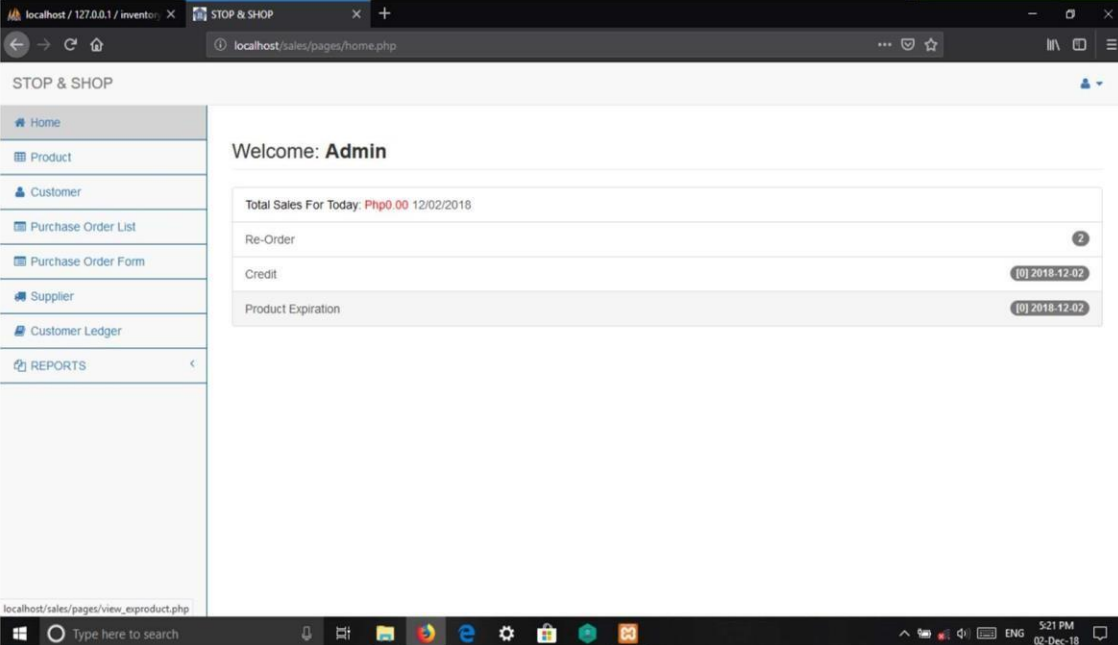
SNAPSHOTS

Snapshots is nothing but informal photography taken quickly, typically with a small hand held camera. In other words defined as a informal photography that is taken quickly, a quick view or a small amount of information that tells you a little about what someone or something is like the complete working of the table can have been picturized.

LOGIN PAGE:

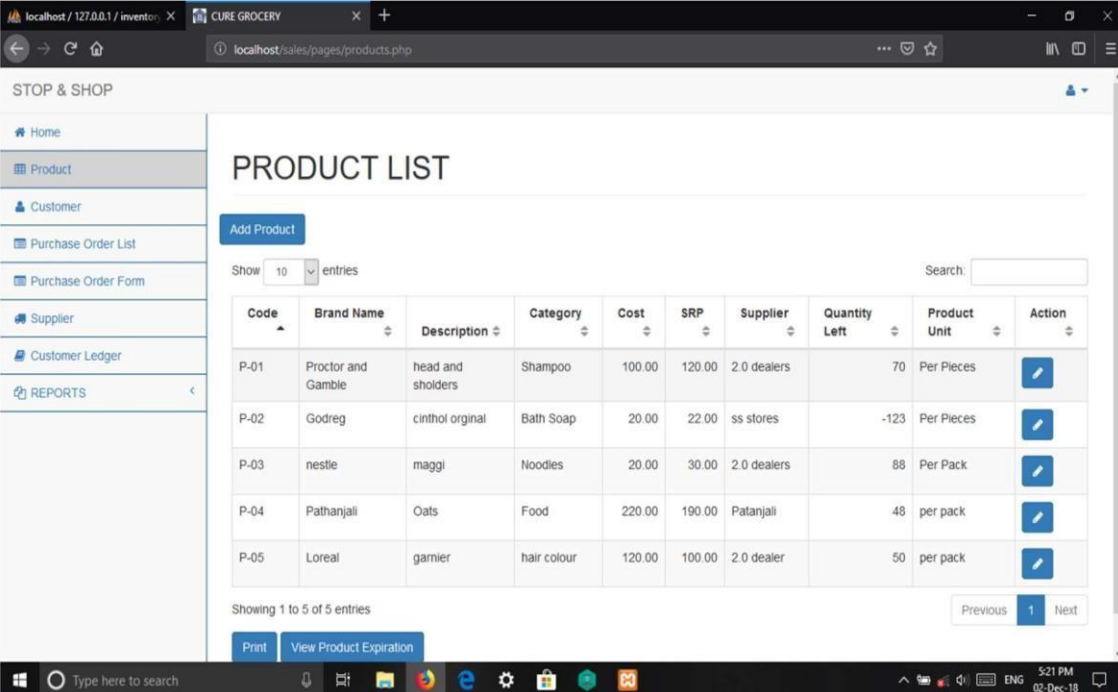


ADMIN PAGE:



The screenshot shows the 'STOP & SHOP' Admin Page. The left sidebar contains a menu with options: Home, Product, Customer, Purchase Order List, Purchase Order Form, Supplier, Customer Ledger, and REPORTS. The main content area displays a 'Welcome: Admin' message. Below this, there are four summary cards: 'Total Sales For Today: Php0.00 12/02/2018', 'Re-Order' with a notification badge '2', 'Credit' with a date badge '[0] 2018-12-02', and 'Product Expiration' with a date badge '[0] 2018-12-02'. The browser's address bar shows 'localhost/sales/pages/home.php'.

PRODUCT LIST:



The screenshot shows the 'STOP & SHOP' Product List Page. The left sidebar is identical to the Admin Page. The main content area is titled 'PRODUCT LIST' and includes an 'Add Product' button. Below the title, there is a 'Show 10 entries' dropdown and a search bar. A table displays the product list with the following data:

Code	Brand Name	Description	Category	Cost	SRP	Supplier	Quantity Left	Product Unit	Action
P-01	Proctor and Gamble	head and sholders	Shampoo	100.00	120.00	2.0 dealers	70	Per Pieces	
P-02	Godreg	cinthol original	Bath Soap	20.00	22.00	ss stores	-123	Per Pieces	
P-03	nestle	maggi	Noodles	20.00	30.00	2.0 dealers	88	Per Pack	
P-04	Pathanjali	Oats	Food	220.00	190.00	Patanjali	48	per pack	
P-05	Loreal	garnier	hair colour	120.00	100.00	2.0 dealer	50	per pack	

Below the table, it says 'Showing 1 to 5 of 5 entries' with 'Previous', '1', and 'Next' navigation links. At the bottom, there are 'Print' and 'View Product Expiration' buttons. The browser's address bar shows 'localhost/sales/pages/products.php'.

CUSTOMER LIST:

CUSTOMER LIST

Add Customer

Show 10 entries

Search:

First Name	Middle Name	Last Name	Address	Contact	Membership Number	Action
chauda	reddy	c	#789 sanjaygandhi nagar R.pet kgf 563122	7022942386	4	
kumarswamy	s	v	#123 karangigate kolar 563101	953893100	2	
mujeer	pasha	tiger	#456 km post champion reef kgf 563122	7204417008	3	
praveen	kumar	m	#521 sumathi	7348903935	1	

PURCHASE ORDER:

Purchase Order

Show 10 entries

Search:

Supplier	Order
2.0 dealers	
ss stores	
arm agency	
Patanjali	

Showing 1 to 4 of 4 entries

Previous 1 Next

SUPPLIER:

SUPPLIER

Add Supplier

Show 10 entries Search:

Supplier	Contact Person	Address	Contact	Action
2.0 dealers	shankar	kolar	9874561239	Edit Delete
arm agency	ar murugadoss	bangarpet	9123456788	Edit Delete
Patanjali	raj	Banglore	9140044501	Edit Delete
ss stores	ss rajamouli	kgf	9871234567	Edit Delete

Showing 1 to 4 of 4 entries Previous 1 Next

ACCOUNTS REPORT:

Accounts Receivables Report

Show 10 entries Search:

Transaction ID	Date	Customer Name	Invoice Number	Overall Balance	Due Date
STI-00010	12/02/2018	kumarswamy s v	RS-30387	3,300.00	2018-12-05
STI-0007	11/28/2018	kumarswamy s v	RS-2596826	30.00	2020-12-23
STI-0008	12/02/2018	kumarswamy s v	RS-33223233	480.00	2018-12-05
STI-0009	12/02/2018	kumarswamy s v	RS-33223233	502.00	
Total				4,312.00	

Showing 1 to 4 of 4 entries Previous 1 Next

Print

COLLECTION REPORT:

GROCERY

Collection Report

Show 10 entries

Search:

Transaction ID	Date	Customer Name	Invoice Number	Amount Paid	Remarks
No data available in table					
Total				0.00	

Showing 0 to 0 of 0 entries

Print

Previous Next

SALES REPORT:

STOP & SHOP

Sales Report

Show 10 entries

Search:

Transaction ID	Date	Customer Name	Invoice Number	Type of Payment	Total Sales	Balance	Action
STI-0001	02/21/2017	Renzy Jerota Loren	RS-33200322	cash	184.80	0.00	
STI-00010	12/02/2018	kumarswamy s v	RS-30387	credit	0.00	3,300.00	
STI-0002	11/18/2018	ku	RS-0263223	cash	138.88	0.00	
STI-0003	11/18/2018	kumarswamy s v	RS-0263223	cash	138.88	0.00	
STI-0004	11/19/2018	kumarswamy s v	RS-24222	cash	0.00	0.00	
STI-0005	11/27/2018	praveen	RS-3253283	cash	20.00	0.00	
STI-0006	11/28/2018	chauda redy c	RS-02333333	cash	30.00	0.00	
STI-0007	11/28/2018	kumarswamy s v	RS-2506826	credit	0.00	30.00	

INVENTORY REPORT:

STOP & SHOP

Inventory Report

Show 10 entries Search:

Invoice	Product Code	Brand Name	Description Name	Quantity Start	Quantity Sold	Quantity End	Product Price	Cost	Date Purchased
RS-33200322	P-08	Century Tuna	ADOBO	100	5	95	33.00	165.00	02/21/2017
RS-36333	P-1	Proctor and Gamble	head and sholders	100	2	98	150.00	260.00	11/18/2018
RS-0263223	P-02	Godreg	cinthol original	100	2	98	22.00	24.00	11/18/2018
RS-0263223	P-03	maggi	nestle	100	10	90	30.00	100.00	11/18/2018
RS-3253283	P-02	Godreg	cinthol original	98	10	88	22.00	20.00	11/27/2018
RS-02333333	P-03	nestle	maggi	90	1	89	30.00	30.00	11/28/2018
RS-2596826	P-03	nestle	maggi	89	1	88	30.00	30.00	11/28/2018
RS-200622	P-02	Godreg	cinthol original	88	50	38	22.00	600.00	12/02/2018
RS-33223233	P-02	Godreg	cinthol original	38	40	-2	22.00	480.00	12/02/2018

PRODUCTS EXPIRED:

GROCERY

List of Product Expired

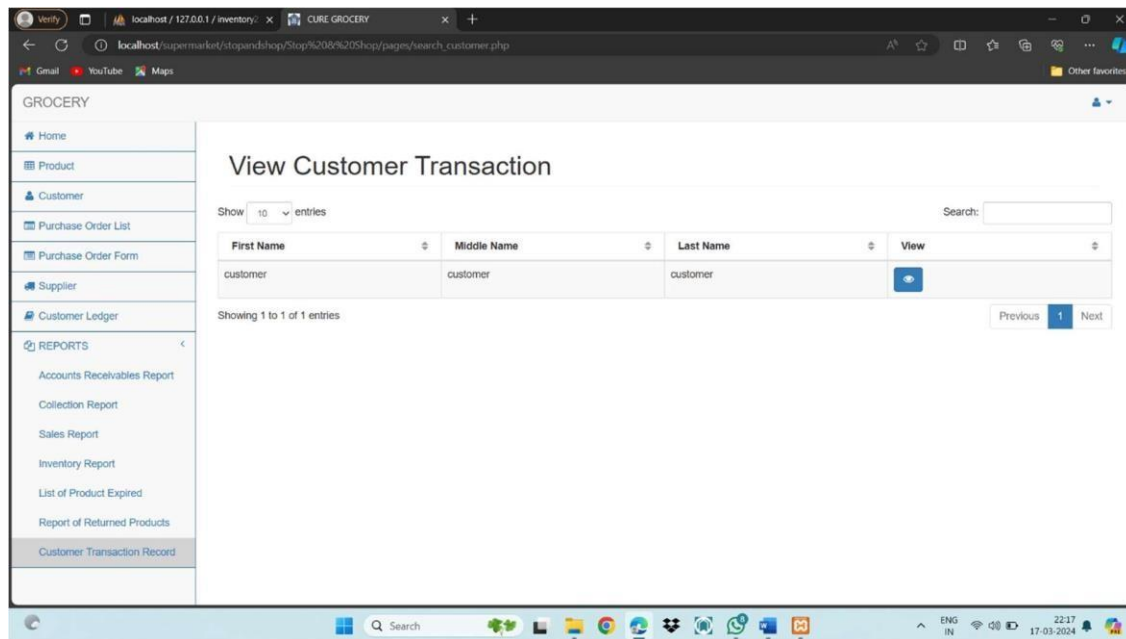
Show 10 entries Search:

Code	Brand Name	Description	Category	Total Amount Lose	Cost	Total Quantity Lose	Date Product Expired
P-08	Century Tuna	ADOBO	Canned Goods	3,000.00	30.00	100	2017-05-27

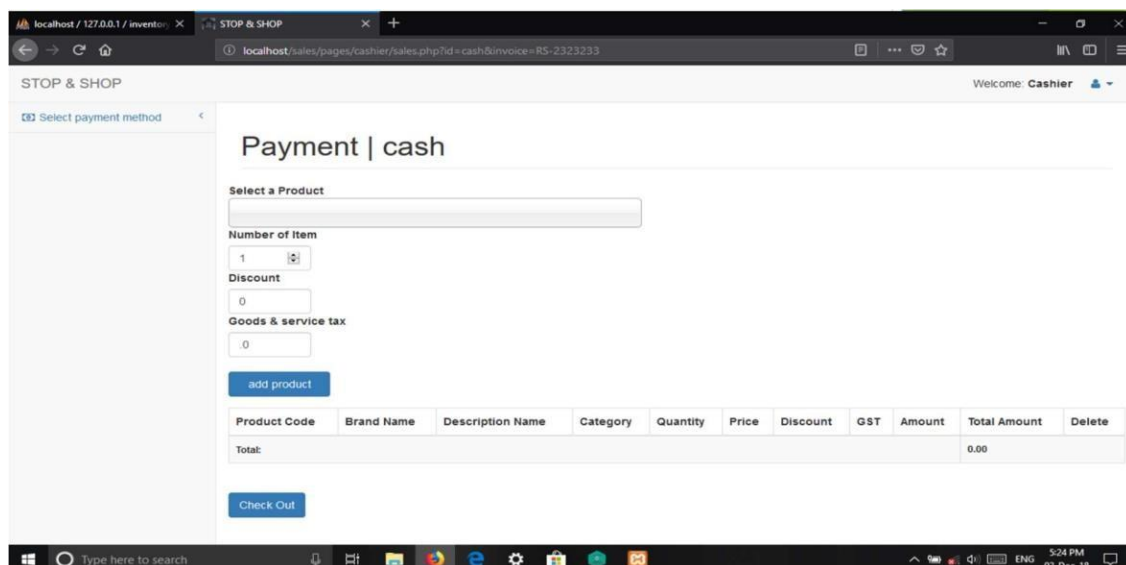
Showing 1 to 1 of 1 entries Previous 1 Next

Print

CUSTOMER TRANSACTION:



CASHIER PAGE:



BILL VOUCHER:

The screenshot shows a web browser window with two tabs. The active tab is 'localhost/sales/pages/cashier/'. The address bar shows 'localhost/sales/pages/cashier/preview.php?invoice=RS-2323233'. Below the address bar are 'Print' and 'Back' buttons. The main content area displays a bill voucher for 'STOP & SHOP'. The voucher includes the store's address, contact information, and a table of items purchased. The total amount is 400.00, with 100.00 cash tendered, leaving a change of 300.00. The cashier is listed as 'Cashier : Cashier'.

STOP & SHOP
Street Address: 1st cross maharaja road r pet kgf
Brgy: 26
Contact No: 9252242781
Email Add : stop&shop@gmail.com

Received From : kumarswamy s v
Address : #123 karanggate kolar 563101
Contact No : 953893100

Product Code	Brand Name	Description Name	Qty	Price	Discount	Total Amount
P-03	nestle	maggi	20	30.00	10.00	400.00
Amount:						400.00
GST:						0.00
Cash Tendered:						100.00
Total Amount:						400.00
Change:						300.00

Cashier : Cashier