2-1 CSE B.Tech MINI Project Report

**Accounting Package For Shops**

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Under the estimed guidance of **Dr.K.N.Brahmaji Rao**

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# 

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# Introduction

The "Accounting Package for Shops" project is a comprehensive solution designed to assist small and medium-sized retail businesses in managing their financial transactions, tracking inventory, and generating essential reports for informed decision-making. The project aims to streamline accounting processes, enhance efficiency, and provide a user-friendly interface for seamless operations.

This project aims to develop an accounting package for shops, utilizing a database management system (DBMS) to effectively manage financial data. This application caters to small businesses, assisting them in tasks like recording sales and purchases, managing inventory, generating reports, and understanding their financial performance. By automating bookkeeping processes and providing accurate data, this package aims to save shop owners time and resources, enabling them to focus on core business operations.

In response to the dynamic and demanding nature of retail operations, the development of an accounting package tailored specifically for shops becomes imperative. To provide a comprehensive and user-friendly solution that addresses the unique financial management needs of retail businesses. By automating financial processes, including sales, expenses, and inventory management, the accounting package seeks to enhance operational efficiency and accuracy.

The system will offer an intuitive interface to accommodate users with varying levels of technical expertise, while robust security measures will safeguard sensitive financial data. With features such as sales and revenue tracking, expense management, and customizable reporting, the accounting package aims to empower shop owners with insights for informed decision-making. Integration with other business tools and compliance with financial regulations further position this solution as an essential asset for shops seeking streamlined financial operations and sustainable growth.

The implementation of an accounting package for shops is crucial for efficiently managing financial transactions, tracking inventory, and ensuring accurate and timely record-keeping in a retail environment.

**ER Diagrams**

ProductID

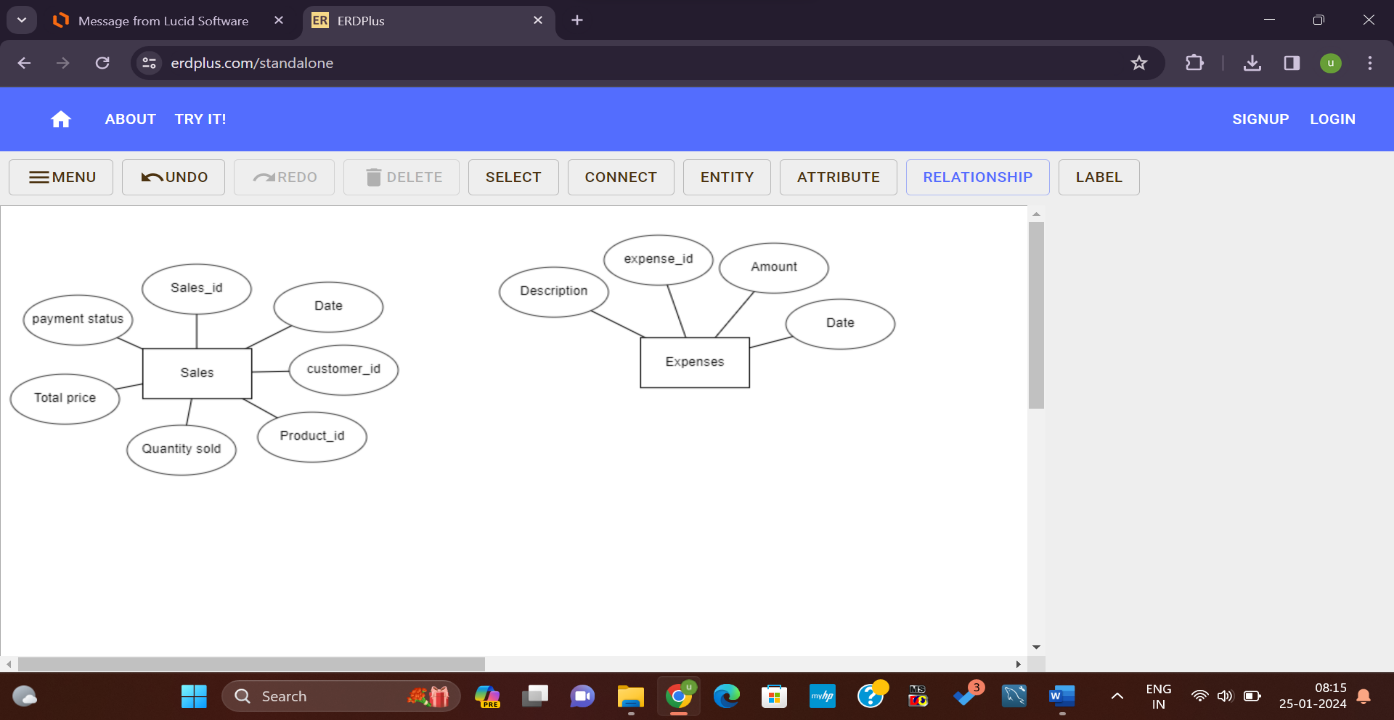
Stock

Category

Price

Name

Products



# 

# Literature Survey

1. ***ChatGPT*** plays a crucial role in providing contextual help, guiding users through different functionalities of the accounting package. Whether users seek assistance with data entry, report generation, or system navigation, ChatGPT responds with informative and contextual guidance.

2. ***YouTube*** served as an invaluable resource during the development of our project. Leveraging the vast repository of tutorials, walkthroughs, and educational content available on the platform, we gained insights into various aspects of web development, database management, and programming languages. Video tutorials on HTML, CSS, JavaScript, PHP, and MySQL provided step-by-step guidance, helping us overcome challenges and implement specific functionalities within our accounting package for shops. Additionally, YouTube was instrumental in staying updated on the latest technologies and best practices in web development.

3. ***Bard*** was an indispensable asset throughout the development of my accounting package for shops. I used Bard to research existing solutions in the market. I queried it for information on popular accounting software, their strengths and weaknesses, and emerging trends in shop management technology.

4. ***Bootstrap***, a powerful front-end framework, played a pivotal role in shaping the user interface and overall design aesthetics of our accounting package for shops. By integrating Bootstrap's pre-built components and responsive grid system, we achieved a sleek and consistent layout across various devices and screen sizes. The framework's extensive library of CSS and JavaScript components facilitated the rapid development of key features, such as the navigation bar, forms, modals, and buttons. Leveraging Bootstrap's customizable styles and reusable classes, we were able to create a visually appealing and intuitive user interface without delving extensively into intricate CSS styling.

5.***Tally*** ***website*** is taken as reference for this project. The design and functionality of the Tally website served as a noteworthy reference point during the development of our accounting package for shops.

Drawing inspiration from Tally's user-friendly interface and intuitive navigation, we aimed to create a similar level of accessibility and ease of use for our users.

6***. ERDPlus*** is a web-based database modeling tool that lets you quickly and easily create

* Entity Relationship Diagrams (ERDs)
* Relational Schemas (Relational Diagrams)
* Star Schemas (Dimensional Models)

# Frontend Design

The front-end of the accounting package is built using **HTML5** for structure, **CSS3** for styling, and **JavaScript** for interactivity. A responsive design framework like Bootstrap ensures seamless accessibility across various devices.

***HTML (Hypertext Markup Language):***

HTML is the standard markup language used to create the structure and content of web pages. It consists of a series of elements represented by tags that define the different parts of a webpage, such as headings, paragraphs, images, links, and forms. HTML provides the basic structure upon which web content is built.

***CSS (Cascading Style Sheets):***

CSS is a stylesheet language used for describing the presentation and formatting of a document written in HTML. It allows developers to control the layout, colors, fonts, and overall appearance of a webpage. By separating content (HTML) from presentation (CSS), developers can create consistent and visually appealing designs.

***JavaScript:***

JavaScript is a versatile programming language that enables dynamic and interactive content on the client side (in the user's browser). It is often used to enhance user interfaces, validate forms, and update content dynamically without requiring a page reload.

User Authentication Page: Secure login and user role selection.

Dashboard: Visual representation of key metrics using charts and graphs.

Product Management: Forms for adding, updating, and deleting products.

Sales and Expense Interfaces: User-friendly interfaces for transaction processing.

Inventory Management: Real-time stock updates and alerts.

Supplier Management: Interface for managing supplier information.

**SOURCE CODES:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Shop Accounting System</title>

    <link rel="stylesheet" href="index.css">

</head>

<body>

    <!-- <header>

        <h1>Shop Accounting System</h1>

    </header> -->

    <main>

        <a href="index.html">

            <section id="transactions">

                <h3>Home</h3>

            </section>

        </a>

        <a href="products.php">

            <section id="products">

                <h3>Products</h3>

            </section>

        </a>

        <a href="purchases.php">

            <section id="products">

                <h3>Purchases</h3>

            </section>

        </a>

        <a href="./customers.php">

            <section id="customers">

                <h3>Customers</h3>

            </section>

        </a>

        <a href="./sales.php">

            <section id="transactions">

                <h3>Sales</h3>

            </section>

        </a>

        <a href="./expenses.php">

            <section id="transactions">

                <h3>Expenses</h3>

            </section>

        </a>

        <a href="./payments.php">

            <section id="transactions">

                <h3>Payments</h3>

            </section>

        </a>

        <a href="./analysis.html">

            <section id="transactions">

                <h3>Analysis</h3>

            </section>

        </a>

        <button onclick="callNow()">Call Now</button>

    </main>

    <article>

        <div>

            <h1>The Power <br>of Good Advice</h1>

        <button onclick="learnMore()">Learn More</button>

        </div>

        <div>

            <img src="./assests/2842680-removebg-preview.png" alt="img">

        </div>

    </article>

    <section class="services">

        <div class="login">

            <a href="customers.php">

                <button>Our customers</button>

            </a>

        </div>

        <h3>Services</h3>

        <p>Taking your business<br>to next level</p>

        <div class="login">

            <a href="loginmain.php">

                <button>Login</button>

            </a>

            <a href="signup.html">

                <button>Create Account</button>

            </a>

        </div>

    </section>

    <section class="users">

        <h2>We're good with numbers</h2>

        <div class="text"><div class="exp">

            <h1>15</h1>

            <p>years of Experience</p>

        </div>

        <div class="experts">

            <h1>36</h1>

            <p>Qualified experts</p>

        </div>

        <div class="year">

            <h1>150</h1>

            <p>Clients Every year</p>

        </div>

        <div class="partner">

            <h1>15</h1>

            <p>Intl.Partners</p>

        </div></div>

    </section>

    <footer>

        <h3>CONTACT</h3>

        <h2>Let's Work Together</h2>

        <p>500 Terry Francine St. San Francisco, CA 94158<br>info@mysite.com<br>Tel: 123-456-7890</p>

        <div class="img">

            <a href="https://www.facebook.com/"><img src="./assests/icons8-facebook-50.png"></a>

            <a href="https://www.instagram.com/"><img src="./assests/icons8-instagram-32.png"></a>

            <a href="https://www.whatsapp.com/"><img src="./assests/icons8-whatsapp-50.png"></a>

        </div>

    </footer>

    <script src="index.js"></script>

</body>

</html>

**CSS:**

body {

    font-family: Arial, sans-serif;

    margin: 0;

    padding: 0;

    background-color: #f4f4f4;

}

/\* header {

    background-color: #333;

    color: #fff;

    text-align: center;

    padding: 1em;

} \*/

.navbar {

    display: flex;

    justify-content: space-around;

}

.ser button {

    height: 40px;

    margin-left: 50px;

    margin-right: 30px;

    padding: 20%;

}

main {

    padding: 10px;

    display: flex;

    justify-content: space-evenly;

    font-size: 10px;

    margin-left: 120px;

}

main a{

    text-decoration: none;

    color: #333;

}

main button{

    border-radius: 20px;

    width: 100px;

    background-color: #9E3FFD;

    border: none;

    height: 45px;

}

main button :hover{

    background-color:#fff ;

}

main section{

    font-weight: 10px;

}

main section :hover{

    color:#9E3FFD ;

}

article{

    display: flex;

    background-image: url('./assests/wave-haikei\ \(2\).svg');

    /\* background-color:#000 ; \*/

    background-position: center;

    background-repeat: no-repeat;

    background-size: cover;

    height: 90%;

}

article h1{

    font-size: 80px;

    margin-left: 70px;

}

article button{

    border-radius: 20px;

    width: 100px;

    background-color: #9E3FFD;

    border: none;

    height: 45px;

    margin-left: 90px;

}

article button :hover{

    background-color: #fff;

}

.services{

    height: 250px;

    width: 100%;

    background-color: #e0c7f9;

    margin-top: 0px;

    text-align: center;

    padding: 100px 0;

}

.services{

    background-color: #b6c8f8;

}

.services h3{

    color: #9E3FFD;

}

.services p{

    font-size: 40px;

}

.login button{

    height: 70px;

    margin-left: 50px;

    margin-right: 30px;

}

.services button{

    border-radius: 50px;

    width: 100px;

    background-color: #9E3FFD;

    border: none;

}

.users{

    height: 350px;

    /\* background-color: #333; \*/

    text-align: center;

    font-size: 30px;

    color: #000;

}

.users h1{

    font-size: 50px;

}

.text{

    display: flex;

    color: #000;

    font-size: 20px;

    justify-content: space-evenly;

    text-align: center;

    margin-top: 80px;

}

footer{

    height: 300px;

    width: 100%;

    background-color: #b6c8f8;

    text-align: center;

    align-items: center;

}

footer h3{

    color: #9E3FFD;

}

/\* footer .img{

} \*/

FOR PRODUCTS:

body {

    font-family: Arial, sans-serif;

    margin: 0;

    padding: 0;

    background-color: #f4f4f4;

    background-image: url('./assests/stacked-steps-haikei.svg');

    background-position: center;

    background-repeat: no-repeat;

    background-size: cover;

}

header {

    background-color: #b6c8f8;

    color: #000;

    text-align: center;

    padding: 1em;

}

.navbar {

    display: flex;

    justify-content: space-around;

}

.head {

    padding: 10px;

    display: flex;

    justify-content: space-evenly;

    font-size: 10px;

    margin-left: 120px;

}

.head a{

    text-decoration: none;

    color: #333;

}

.head button{

    border-radius: 20px;

    width: 100px;

    background-color: #9E3FFD;

    border: none;

    height: 45px;

}

.head button :hover{

    background-color:#fff ;

}

.head section{

    font-weight: 10px;

}

.head section :hover{

    color:#9E3FFD ;

}

.container#blur.active{

    filter: blur(2px);

    pointer-events: none;

    user-select: none;

}

table{

    width: 100%;

    margin-top: 50px;

}

table, th, td {

    border: 1px solid white;

    border-collapse: collapse;

    font-size: 20px;

    text-align: center;

}

tr{

    height: 40px;

}

tr:nth-child(odd) {

    background-color: #d0abf5;

}

tr:nth-child(even){

    background-color: #c2c1c1;

}

main button{

    border-radius: 20px;

    width: 100px;

    background-color: #b582e7;

    border: none;

    height: 45px;

    margin-left: 45%;

    margin-top: 50px;

    background-image: url('./assests/layered-waves-haikei.svg');

}

label,input{

    margin-left:35%;

}

#popup{

    position: fixed;

    top: 40%;

    left: 50%;

    transform: translate(-50%,-50%);

    width: 600px;

    padding: 50px;

    box-shadow: 0 5px 30px rgba(0,0,0,.30);

    background-image: url(./assests/stacked-steps-haikei.svg);

    visibility: hidden;

    opacity: 0;

    transition: 0.5s;

}

#popup.active{

    top: 50%;

    visibility: visible;

    opacity: 1;

    transition: 0.5s;

}

**JS:**

function callNow() {

    alert("Calling now...");

}

function learnMore() {

    alert("Learn more clicked");

}

let div = document.getElementById('main');

let display = 1;

function hideshow(){

    if(display==0)

    {

        div.style.display = 'block';

        display = 1;

    }

    else{

        div.style.display = 'none';

        display = 0;

    }

}

function toggle()

{

    var blur = document.getElementById('blur');

    blur.classList.toggle('active');

    var popup = document.getElementById('popup');

    popup.classList.toggle('active');

}

# Backend Design

The back-end is powered by PHP for server-side scripting and XAMPP, a local development environment that integrates Apache web server, MySQL database, and PHP interpreter. MySQL serves as the relational database, storing financial data in tables like products, customers, suppliers, sales, purchases, and payments. Key functionalities include:

Data validation and security: Secure user authentication and data validation ensure data integrity and prevent unauthorized access.

Database interactions: PHP scripts handle data CRUD (Create, Read, Update, Delete) operations in the MySQL database.

Report generation: Dynamically generate reports based on user-defined criteria using SQL queries and PHP processing.

Data visualization: Integrate libraries like Chart.js for creating visual representations of financial data within the application.

Database Setup: Using MySQL to store and manage data efficiently.

User Authentication Logic: Secure login and role-based access.

Data Processing: Handling transactions, updates, and calculations.

Report Generation: Pulling data from the database and formatting reports.

**SOURCE CODE:**

**FOR DATABASE CONNECTION:**

<?php

 $con = mysqli\_connect("localhost","root","","project") or die("Couldn't connect");

?>

**FOR LOGIN:**

<body>

      <div class="container">

        <div class="box form-box">

            <?php

              include("config.php");

              if(isset($\_POST['submit'])){

                $email = mysqli\_real\_escape\_string($con,$\_POST['email']);

                $password = mysqli\_real\_escape\_string($con,$\_POST['password']);

                $result = mysqli\_query($con,"SELECT \* FROM customer WHERE Email='$email' AND Password='$password' ") or die("Select Error");

                $row = mysqli\_fetch\_assoc($result);

        if(is\_array($row) && !empty($row)){

                    $\_SESSION['valid'] = $row['email'];

                    $\_SESSION['username'] = $row['username'];

                    $\_SESSION['Contact'] = $row['contact'];

                    $\_SESSION['id'] = $row['id'];

                }else{

                    echo "<div class='message'>

                      <p>Wrong Username or Password</p>

                       </div> <br>";

                    echo "<a href='index.php'><button class='btn'>Go Back</button>";

                }

                if(isset($\_SESSION['valid'])){

                    header("Location: index.html");

                }

              }else{

            ?>

            <header>Login</header>

            <form action="" method="post">

                <div class="field input">

                    <label for="email">Email</label>

                    <input type="text" name="email" id="email"  placeholder="enter your email id" autocomplete="off" required>

                </div>

                <div class="field input">

                    <label for="password">Password</label>

                    <input type="password" name="password" id="password" placeholder="enter your password"autocomplete="off" required>

                </div>

                <div class="field">

                    <input type="submit" class="btn" name="submit" value="Login" required>

                </div>

                <div class="links">

                    Don't have account? <a href="signup.html">Sign Up Now</a>

                </div>

            </form>

        </div>

        <?php }?>

      </div>

</body>

**FOR CREATING AN ACCOUNT**

<?php

if (empty($\_POST["name"])) {

    die("Name is required");

}

if (!filter\_var($\_POST["email"], FILTER\_VALIDATE\_EMAIL)) {

    die("Valid email is required");

}

if (strlen($\_POST["password"]) < 8) {

    die("Password must be at least 8 characters");

}

if (!preg\_match("/[a-z]/i", $\_POST["password"])) {

    die("Password must contain at least one letter");

}

if (!preg\_match("/[0-9]/", $\_POST["password"])) {

    die("Password must contain at least one number");

}

if ($\_POST["password"] !== $\_POST["password\_confirmation"]) {

    die("Passwords must match");

}

// Additional validation for new fields

if (empty($\_POST["contact"])) {

    die("Contact is required");

}

if (empty($\_POST["address"])) {

    die("Address is required");

}

if (empty($\_POST["payment\_terms"])) {

    die("Payment terms are required");

}

if (empty($\_POST["credit\_limit"])) {

    die("Credit limit is required");

}

$mysqli = require \_\_DIR\_\_ . "/datab.php";

$sql = "INSERT INTO customer (name, email, password, contact, address, payment\_terms, credit\_limit)

VALUES (?,?,?,?,?,?,?)";

$stmt = $mysqli->stmt\_init();

if ( ! $stmt->prepare($sql)) {

    die("SQL error: " . $mysqli->error);

}

$stmt->bind\_param("sssssss",

                  $\_POST["name"],

                  $\_POST["email"],

                  $\_POST["password"],

                  $\_POST["contact"],

                  $\_POST["address"],

                  $\_POST["payment\_terms"],

                  $\_POST["credit\_limit"]);

if ($stmt->execute()) {

    header("Location: signup-success.html");

    exit;

} else {

    if ($mysqli->errno === 1062) {

        die("email already taken");

    } else {

        die($mysqli->error . " " . $mysqli->errno);

    }

}

**FOR PRODUCTS:**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <link rel="stylesheet" href="./products.css">

</head>

<body>

<header>

        <div class="head">

            <a href="index.html">

                <section id="transactions">

                    <h3>Home</h3>

                </section>

            </a>

            <a href="purchases.php">

                <section id="transactions">

                    <h3>Purchases</h3>

                </section>

            <a href="products.php">

                <section id="products">

                    <h3>Products</h3>

                </section>

            </a>

            <a href="./customers.php">

                <section id="customers">

                    <h3>Customers</h3>

                </section>

            </a>

            <a href="./sales.php">

                <section id="transactions">

                    <h3>Sales</h3>

                </section>

            </a>

            <a href="./expenses.php">

                <section id="transactions">

                    <h3>Expenses</h3>

                </section>

            </a>

            <a href="payments.php">

                <section id="transactions">

                    <h3>Payments</h3>

                </section>

            </a>

            <a href="./analysis.html">

                <section id="transactions">

                    <h3>Analysis</h3>

                </section>

            </a>

            <button onclick="callNow()">Call Now</button>

        </div>

    </header>

    <main>

       <div class="container" id="blur">

        <table class="table">

             <?php

                include("config.php");

                $result = mysqli\_query($con, "SELECT ID, name,contact,payment\_terms,credit\_limit FROM customer ");

                echo "<div style='text-align: center;'>";

                echo "<h2>Our customers</h2>";

                echo "<table border='1'>";

                echo "<tr><th>Customer ID</th><th>Name</th><th>Contact</th><th>Payment\_terms</th><th>Credit limit</th></tr>";

                while ($row = mysqli\_fetch\_assoc($result)) {

                    echo "<tr>";

                    echo "<td>" . $row['ID'] . "</td>";

                    echo "<td>" . $row['name'] . "</td>";

                    echo "<td>" . $row['contact'] . "</td>";

                    echo "<td>" . $row['payment\_terms'] . "</td>";

                    echo "<td>" . $row['credit\_limit'] . "</td>";

                    echo "</tr>";

                }

                echo "</table>";

             ?>

        </table>

       </div>

    </main>

</body>

</html>

**FOR SALES:**

<?php

            // Include your database connection file

            include 'config.php';

            // Check if the form is submitted

            if ($\_SERVER['REQUEST\_METHOD'] === 'POST') {

                // Get form data

                $date = $\_POST['date'];

                $customerID = $\_POST['customerID'];

                $productID = $\_POST['productID'];

                $quantitySold = $\_POST['quantitySold'];

                $totalPrice = $\_POST['totalPrice'];

                $paymentStatus = $\_POST['paymentStatus'];

                // Insert data into the 'sales' table

                $query = "INSERT INTO sales (date, customerID, productID, quantity\_sold, total\_price, payment\_status)

                        VALUES ('$date', '$customerID', '$productID', '$quantitySold', '$totalPrice', '$paymentStatus')";

                if (mysqli\_query($con, $query)) {

                    // Display success message using JavaScript

                    echo '<script>alert("Data inserted successfully.");</script>';

                } else {

                    echo "Error: " . $query . "<br>" . mysqli\_error($con);

                }

            }

            // Display the sales table

            $result = mysqli\_query($con, "SELECT \* FROM sales");

            echo "<div style='text-align: center;'>";

            echo "<h2>Sales Table</h2>";

            echo "<table border='1'>";

            echo "<tr><th>SalesID</th><th>Date</th><th>CustomerID</th><th>ProductID</th><th>Quantity Sold</th><th>Total Price</th><th>Payment Status</th></tr>";

            while ($row = mysqli\_fetch\_assoc($result)) {

                echo "<tr>";

                echo "<td>" . $row['salesID'] . "</td>";

                echo "<td>" . $row['date'] . "</td>";

                echo "<td>" . $row['customerID'] . "</td>";

                echo "<td>" . $row['productID'] . "</td>";

                echo "<td>" . $row['quantity\_sold'] . "</td>";

                echo "<td>" . $row['total\_price'] . "</td>";

                echo "<td>" . $row['payment\_status'] . "</td>";

                echo "</tr>";

            }

            echo "</table>";

            ?>

           <button onclick="toggle()">Add Product</button>

        </div>

        <div id="popup">

             <form method="post" action="">

                    <label for="date">Date:</label>

                    <input type="date" name="date" required><br>

                    <label for="customerID">Customer ID:</label>

                    <input type="text" name="customerID" required><br>

                    <label for="productID">Product ID:</label>

                    <input type="text" name="productID" required><br>

                    <label for="quantitySold">Quantity Sold:</label>

                    <input type="text" name="quantitySold" required><br>

                    <label for="totalPrice">Total Price:</label>

                    <input type="text" name="totalPrice" required><br>

                    <label for="paymentStatus">Payment Status:</label>

                    <input type="text" name="paymentStatus" required><br>

                 <button onclick="toggle()">Submit</button>

            </form>

        </div>

**FOR PAYMENTS:**

 <main>

    <div class="container" id="blur">

        <table class="table">

        <?php

         include("config.php");

         // Check if the form is submitted

         if ($\_SERVER['REQUEST\_METHOD'] === 'POST') {

            // Get form data

            $productID = $\_POST['paymentID'];

            $name = $\_POST['date'];

            $category = $\_POST['amount'];

            $price = $\_POST['type'];

            $pric = $\_POST['relatedID'];

            // Insert data into the 'sales' table

            $query = "INSERT INTO payments (paymentID, date, amount, type, relatedID)

                    VALUES ('$productID', '$name', '$category', '$price',' $pric')";

            if (mysqli\_query($con, $query)) {

                // Display success message using JavaScript

                echo '<script>alert("Data inserted successfully.");</script>';

            } else {

                echo "Error: " . $query . "<br>" . mysqli\_error($con);

            }

        }

        // Display the sales table

        $result = mysqli\_query($con, "SELECT \* FROM payments");

        echo "<div style='text-align: center;'>";

        echo "<h2>Products Table</h2>";

        echo "<table border='1'>";

        echo "<tr><th>Payment ID</th><th>Date</th><th>Amount</th><th>Type</th><th>Related ID</th></tr>";

        while ($row = mysqli\_fetch\_assoc($result)) {

            echo "<tr>";

            echo "<td>" . $row['paymentID'] . "</td>";

            echo "<td>" . $row['date'] . "</td>";

            echo "<td>" . $row['amount'] . "</td>";

            echo "<td>" . $row['type'] . "</td>";

            echo "<td>" . $row['relatedID'] . "</td>";

            echo "</tr>";

        }

        echo "</table>";

        ?>

        </table>

        </div>

       <button onclick="toggle()">Add Product</button>

       <div id="popup">

        <form method="post" action="">

            <label for="paymentID">Payment Id:</label><br>

            <input type="text" name="paymentID"><br>

            <label for="date">Date:</label>

            <input type="date" name="date" required><br>

            <label for="amount">Amount:</label><br>

            <input type="text"  name="amount"><br>

            <label for="type">Type:</label><br>

            <input type="text"  name="type" placeholder="Cash or Credit, etc.."><br>

            <label for="relatedID">Related ID Id:</label><br>

            <input type="text" name="relatedID" placeholder="sales ID or Purchase ID"><br>

        <button onclick="toggle()">Submit</button>

        </form>

    </div>

    </main>

**FOR EXPENSES:**

 <main>

    <div class="container" id="blur">

        <table class="table">

        <?php

         include("config.php");

         // Check if the form is submitted

         if ($\_SERVER['REQUEST\_METHOD'] === 'POST') {

            // Get form data

            $productID = $\_POST['expenseID'];

            $name = $\_POST['date'];

            $category = $\_POST['description'];

            $price = $\_POST['amount'];

            // Insert data into the 'sales' table

            $query = "INSERT INTO expenses (expenseID, date, description, amount)

                    VALUES ('$productID', '$name', '$category', '$price')";

            if (mysqli\_query($con, $query)) {

                // Display success message using JavaScript

                echo '<script>alert("Data inserted successfully.");</script>';

            } else {

                echo "Error: " . $query . "<br>" . mysqli\_error($con);

            }

        }

        // Display the sales table

        $result = mysqli\_query($con, "SELECT \* FROM expenses");

        echo "<div style='text-align: center;'>";

        echo "<h2>Products Table</h2>";

        echo "<table border='1'>";

        echo "<tr><th>Expense ID</th><th>Date</th><th>Description</th><th>Amount</th></tr>";

        while ($row = mysqli\_fetch\_assoc($result)) {

            echo "<tr>";

            echo "<td>" . $row['expenseID'] . "</td>";

            echo "<td>" . $row['date'] . "</td>";

            echo "<td>" . $row['description'] . "</td>";

            echo "<td>" . $row['amount'] . "</td>";

            echo "</tr>";

        }

        echo "</table>";

        ?>

        </table>

        </div>

       <button onclick="toggle()">Add Product</button>

       <div id="popup">

        <form method="post" action="">

            <label for="expenseID">ProductId:</label><br>

            <input type="text" name="expenseID"><br>

            <label for="date">Date:</label>

            <input type="date" name="date" required><br>

            <label for="description">Category:</label><br>

            <input type="text"  name="description"><br>

            <label for="amount">Price:</label><br>

            <input type="text"  name="amount"><br>

        <button onclick="toggle()">Submit</button>

        </form>

    </div>

    </main>

FOR PURCHASES:

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

    <link rel="stylesheet" href="./products.css">

</head>

<body>

<header>

        <div class="head">

            <a href="index.html">

                <section id="transactions">

                    <h3>Home</h3>

                </section>

            </a>

            <a href="purchases.php">

                <section id="transactions">

                    <h3>Purchases</h3>

                </section>

            <a href="products.php">

                <section id="products">

                    <h3>Products</h3>

                </section>

            </a>

            <a href="./sales.php">

                <section id="transactions">

                    <h3>Sales</h3>

                </section>

            </a>

            <a href="./expenses.php">

                <section id="transactions">

                    <h3>Expenses</h3>

                </section>

            </a>

            <a href="payments.php">

                <section id="transactions">

                    <h3>Payments</h3>

                </section>

            </a>

            <a href="./analysis.html">

                <section id="transactions">

                    <h3>Analysis</h3>

                </section>

            </a>

            <button onclick="callNow()">Call Now</button>

        </div>

    </header>

    <main>

       <div class="container" id="blur">

            <table class="table">

            <?php

            // Include your database connection file

            include 'config.php';

            // Check if the form is submitted

            if ($\_SERVER['REQUEST\_METHOD'] === 'POST') {

                // Get form data

                $purchaseID = $\_POST['purchaseID'];

                $date = $\_POST['date'];

                $productID = $\_POST['productID'];

                $quantitySold = $\_POST['quantity'];

                $totalPrice = $\_POST['total\_price'];

                $paymentStatus = $\_POST['payment\_status'];

                // Insert data into the  table

                $query = "INSERT INTO purchase (purchaseID, date, productID, quantity, total\_price, payment\_status)

                        VALUES ('$purchaseID', '$date', '$productID', '$quantitySold', '$totalPrice', '$paymentStatus')";

                if (mysqli\_query($con, $query)) {

                    // Display success message using JavaScript

                    echo '<script>alert("Data inserted successfully.");</script>';

                } else {

                    echo "Error: " . $query . "<br>" . mysqli\_error($con);

                }

            }

            // Display the sales table

            $result = mysqli\_query($con, "SELECT \* FROM purchase");

            echo "<div style='text-align: center;'>";

            echo "<h2>Products Table</h2>";

            echo "<table border='1'>";

            echo "<tr><th>Purchase ID</th><th>Date</th><th>ProductID</th><th>Quantity </th><th>Total Price</th><th>Payment Status</th></tr>";

            while ($row = mysqli\_fetch\_assoc($result)) {

                echo "<tr>";

                echo "<td>" . $row['purchaseID'] . "</td>";

                echo "<td>" . $row['date'] . "</td>";

                echo "<td>" . $row['productID'] . "</td>";

                echo "<td>" . $row['quantity'] . "</td>";

                echo "<td>" . $row['total\_price'] . "</td>";

                echo "<td>" . $row['payment\_status'] . "</td>";

                echo "</tr>";

            }

            echo "</table>";

            ?>

           <button onclick="toggle()">Add Product</button>

        </div>

        <div id="popup">

             <form method="post" action="">

                    <label for="purchaseID">Purchase ID:</label>

                    <input type="text" name="customerID" required><br>

                    <label for="date">Date:</label>

                    <input type="date" name="date" required><br>

                    <label for="productID">Product ID:</label>

                    <input type="text" name="productID" required><br>

                    <label for="quantity">Quantity:</label>

                    <input type="text" name="quantity" required><br>

                    <label for="total\_Price">Total Price:</label>

                    <input type="text" name="total\_Price" required><br>

                    <label for="payment\_status">Payment Status:</label>

                    <input type="text" name="payment\_status" required><br>

                 <button onclick="toggle()">Submit</button>

            </form>

        </div>

    </main>

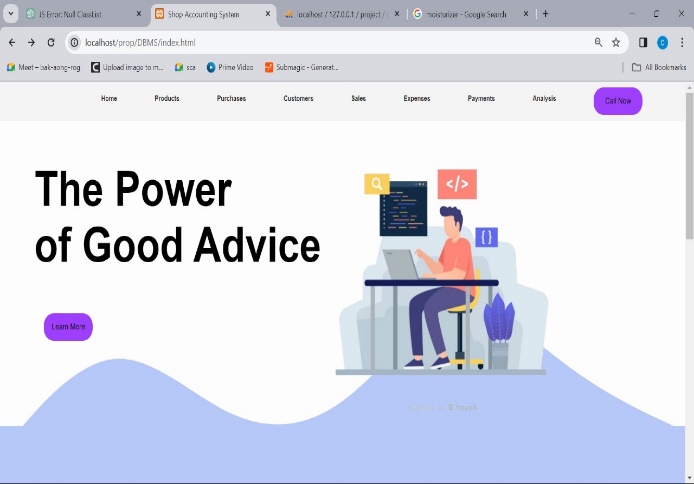
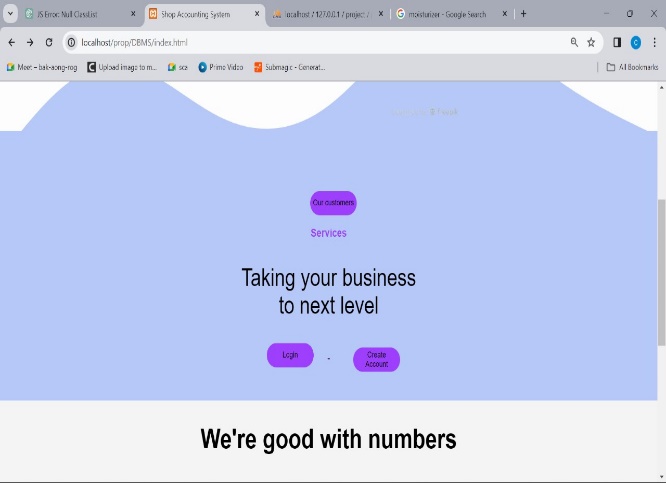
    <script src="index.js"></script>

</body>

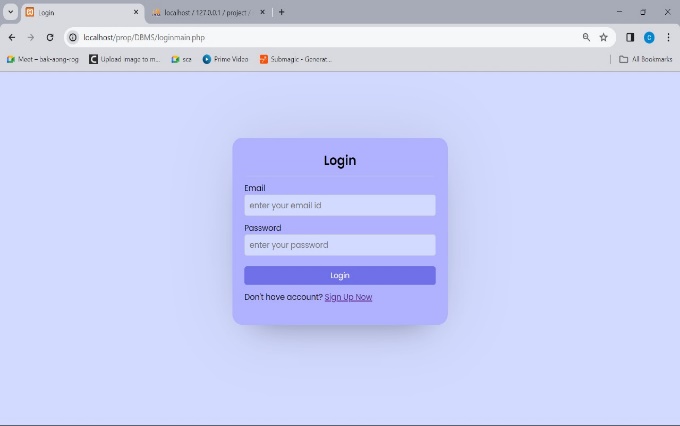
</html>

# Results

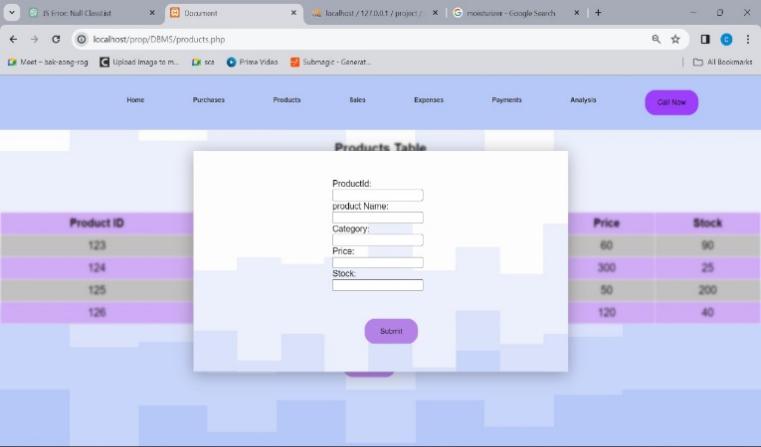
The Accounting Package for Shops has been successfully implemented, providing a robust platform for managing shop finances.

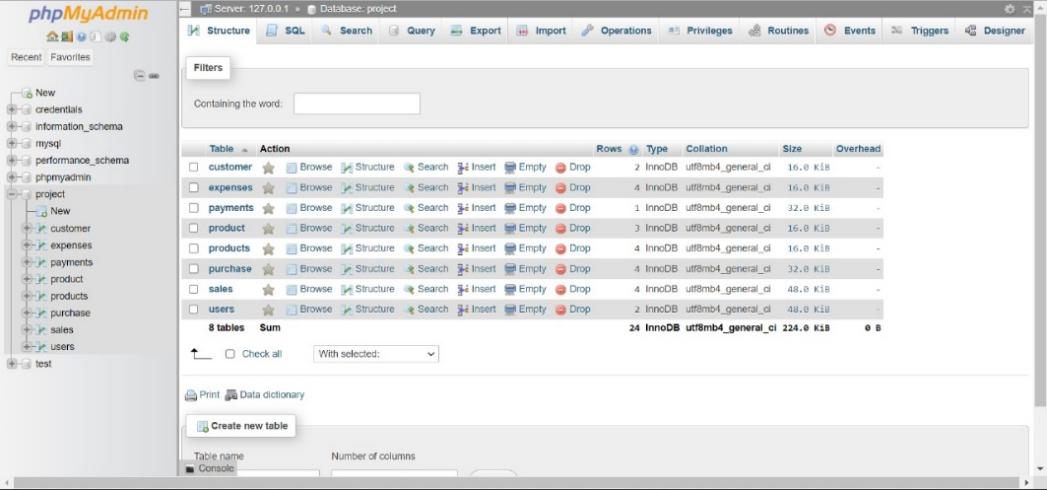
The system has been tested extensively for functionality, security, and performance. Users can easily navigate through the frontend, perform transactions, track inventory, and generate insightful reports.

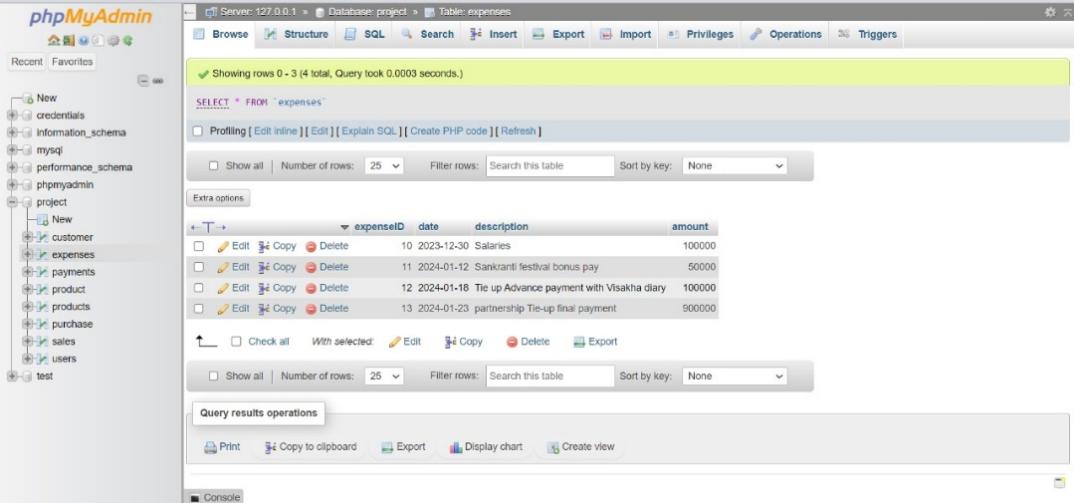
 

Each product entry is uniquely identified by a product ID, ensuring data integrity and providing a reference point for various transactions. The table includes essential attributes such as the product name, price, quantity, and category, providing a comprehensive overview of the shop's offerings.



The SQL database for the Accounting Package for Shops is meticulously designed to efficiently manage and organize critical business data. The relational database employs tables to represent key entities such as users, products, sales, expenses, inventory, and suppliers.





**Conclusion**

The development of the Accounting Package for Shops represents a significant step towards modernizing and simplifying accounting processes for small businesses. The system offers a range of features that cater to the specific needs of shops, promoting efficiency and accuracy in financial management. Ongoing support and updates will ensure the continued effectiveness and relevance of the system.

This DBMS-powered accounting package offers a valuable solution for small shop management. By leveraging technology to automate tasks, improve data accuracy, and provide insightful reports, it empowers shop owners to make informed decisions and achieve sustainable business growth. Future developments could focus on advanced features like payroll management, CRM integration, and mobile app development for enhanced functionality and user experience.

# References

[1] ChatGPT

[2] Youtube

[3] Bard

[4] Bootstrap

[5] Tally(website)

[6] ERD Plus