ACKNOWLEDGEMENT

I would like to explain my special thanks of gratitude to my professor Prof.Mrs Moumita Ghosal who gave me the golden opportunity to do this wonderful project on the topic of **E-commerce Database Management System .**I am really thankful to our principal Dr. Soma Roy and all the faculty members for helping in completing our project successfully.

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INTRODUCTION

In this new modern era of online shopping no seller wants to be left behind and every seller want to the shift from offline selling model to an online selling model for a rampant growth. Therefore, as an software engineer our job is to ease the path of this transition for the seller. Amongst many things that an online site requires the most important is a database system. Hence in this project we are planning to design a database where small sellers can sell their product online. This project will be developed using web technologies such as HTMl, Php and MYSQL,CSS. You are tasked with designing a database system for an e-commerce platform's order management system. The system should keep track of customers, products, orders, and their details. You will need to design a normalized database schema to store and manage the order-related data, ensuring data integrity and avoiding redundancy.

ABSTRACT

Project Name :- E- Commerce Database Management System

Participant's Name :- Riya Tiwari , Sweta Yadav

Under the Guidance of:- Prof. Mrs. Moumita Ghosal

Software used:- HTMl, Php and MYSQL, CSS

Hardware used:- Processor, RAM, Hard Disk , Monitor, Keyboard

The goal of an e-commerce website is to get the visitor to place an order whereas the objective of a content based website is mainly to get more subscribers.This project aims to develop a robust E-commerce platform utilizing Python for GUI development with Tkinter and SQLite for database management. The platform will provide users with a seamless shopping experience while offering administrators efficient tools for managing products, orders, and customer information

MOTIVATION

The impact or computer and internet on our lives today is probably much more than we know . Getting information and quickly turning it into a product that consumers want is the essential key to staying in business and all this is done nowadays using computer and application or information systems. And information system will continue to change business and the way wo live. Take your business beyond borders with eCommerce. Yes, even though the online market has been in the scene for quite a while now, it is never too late to get better and with various online solutions, it is a lot easier to establish your online business/eCommerce than it was a few years back. In this epoch of mobile and cell phones where any technology breakthrough is just a transient milestone, staying relevant to the market is essential and far more critical for any business that aspires to stay in the lead in the industry.

SCOPE OF WORK

(i) Marketing, sales and sales promotion.

(ii) Pre-sales, subcontracts, supply.

(iii) Financing and insurance.

(iv) Commercial transactions – ordering, delivery, payment.

(v) Product service and maintenance.

(vi) Co-operative product development.

(vii) Distributed co-operative working.

(viii) Use of public and private services.

(ix) Business-to-administrations

(x) Transport and logistics.

(xi) Public procurement.

(xii) Automatic trading of digital goods like games, learning material, songs and music etc.

(xiii) Accounting and financial management.

(xiv) Legal advice

SOFTWARE USED

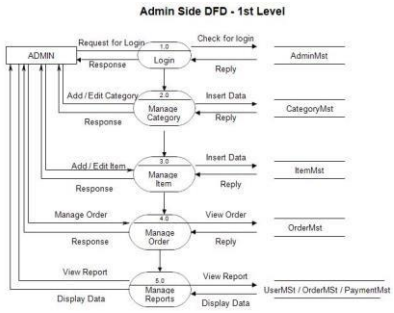
- **OPERATING SYSTEM :-** Windows 11
- **TECHNOLOGIES :-** VS Code, Xampp - window-X64-8.1.5
- **WEB TECHNOLOGIES :-** HTML,PHP,CSS
- **WEB SERVER:-** Localhost 127.0.0.1
- **DATABASE :-** Mysql(phpMyAdmin)

METHODOLOGY

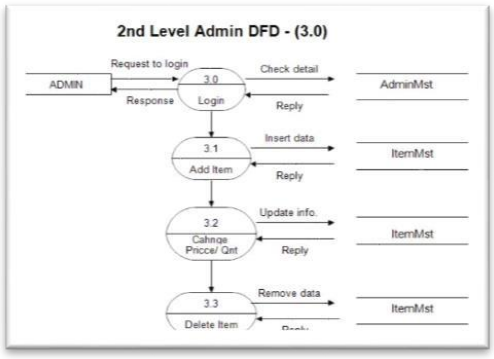
DATA FLOW DIAGRAM (DFD):-

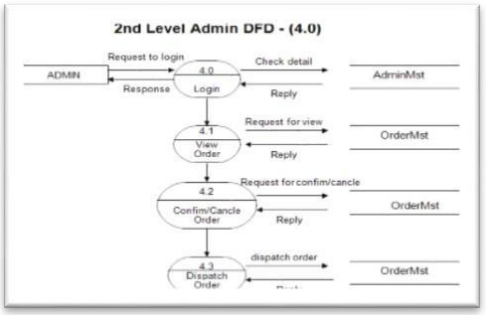
Level -0 DFD:-

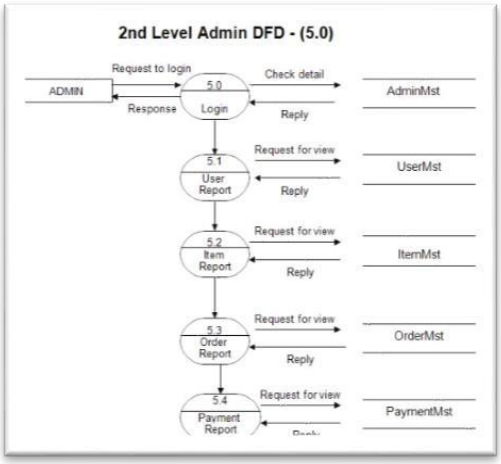
Level-1 Admin side DFD:-



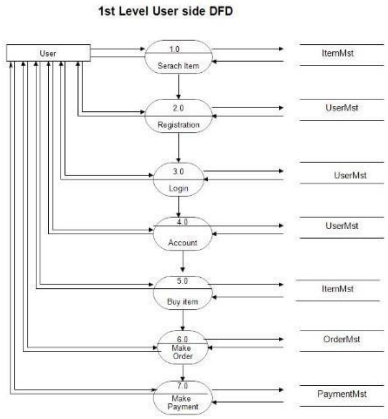
Level-2 Admin side DFD:-



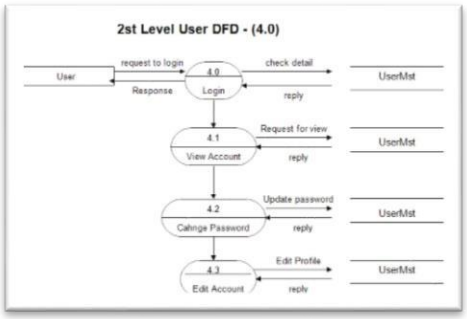


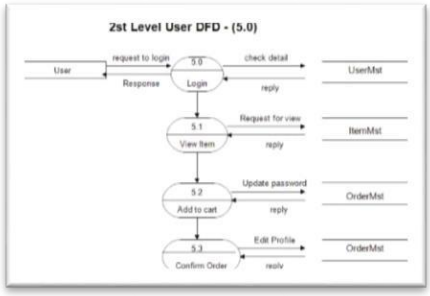


Level-1 User side DFD:-

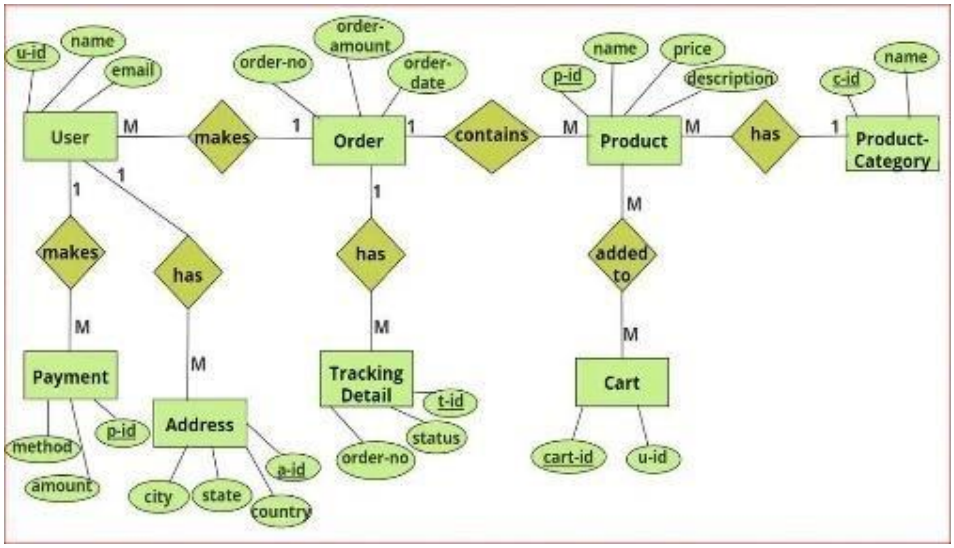


Level-2 User side DFD:-





ENTITY -RELATIONSHIP DIAGRAM:-



IMPLEMETATION

All Page Coding

Home Page :

Index.php :

```
<!-- connect file -->
<?php include('includes/connect.php');
include('functions/common_function.php');
session_start();
?>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>E commerce website using PHP and MYSQL</title>
<!--bootstrap CSS link --> <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
<!-- font awesome link -->
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/6.5.2/css/all.min.css"
integrity="sha512-
SnH5WK+bZxgPHs44uWIX+LLJAJ9/2PkPKZ5QiAj6Ta86w+fsb2TkcmfRyVX3pBnMFcV7oQPJkl9QevSCWr3W6A=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
<link rel="stylesheet" href="style.css">
<!-- css file -->
<link rel="stylesheet" href="style.css">
<style> body{
overflow-x:hidden;
}
</style>
</head>
<body>
<!-- navbar -->
<div class"container-fluid p-0">
<!-- first child -->
```

```
<nav class="navbar navbar-expand-lg navbar-light bg-info">
<div class="container-fluid">
<img src="./images/cart2.jpeg" alt="" class="sho3"> <button class="navbar-toggler"
type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent"
ariacontrols="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation"> <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav me-auto mb-2 mb-lg-0">
<li class="nav-item">
<a class="nav-link active text-light" aria-current="page" href="index.php">Home</a> </li>
<li class="nav-item">
<a class="nav-link text-light" href="display_all.php">products</a>
</li> <?php
if(isset($_SESSION['username'])){
echo "<li class='nav-item'>
<a class='nav-link text-light' href='./users_area/profile.php'>My Account</a>
</li>"; }else{ echo "<li
class='nav-item'>
<a class='nav-link text-light' href='./users_area/user_registration.php'>Register</a>
</li>";
}?>
<li class="nav-item">
<a class="nav-link text-light" href="contact.php">Contact</a>
</li></li>
<li class="nav-item">
<a class="nav-link text-light" href="cart.php"><i class="fa-solid fa-cart-shopping"
style="color:#F8F9FA;"></i><sup><?php cart_item(); ?></sup></a>
</li>
</li><li class="nav-item">
<a class="nav-link text-light" href="#">total price: <?php total_cart_price(); ?>/
</a>
</li>
</ul>
<form class="d-flex" action="search_product.php" method="get">
<input class="form-control me-2" type="search" placeholder="Search" aria-label="Search"
name="search_data">

<input type="submit" value="Search" class="btn btn-outline-light" name="search_data_product">
</form>
</div>
</div>
</nav>
<!-- calling cart function -->
<?php cart();
?>
```

```
<!-- second child -->
<nav class="navbar navbar-expand-lg navbar-dark bg-secondary">
<ul class="navbar-nav me-auto">
<?php
if(!isset($_SESSION['username'])){ echo
"<li class='nav-item'>
<a class='nav-link text-light' href='#'>Welcome Guest</a>
</li>"; }else{ echo "<li
class='nav-item'>
<a class='nav-link text-light' href='#'>Welcome ".$_SESSION['username']."</a>
</li>"; }
if(!isset($_SESSION['username'])){
echo "<li class='nav-item'>
<a class='nav-link text-light' href='./users_area/user_login.php'>Login</a>
</li>"; }else{ echo "<li
class='nav-item'>
<a class='nav-link text-light' href='./users_area/logout.php'>Logout</a>
</li>";
}
?>
</ul>
</nav>
<!-- third child -->
<div class="bg light">
<h3 class="text-center text-info">Digital Dreams</h3>
<p class="text-center text-success">Communication is at the heart of e-commerce and
community</p>
</div>
<!-- fourth child -->
<div class="row px-1">
<div class="col-md-10">
<!-- Products -->
<div class="row">
```

```
 <!-- fetching products -->
<?php
// calling function
getproducts();
get_unique_categories();
get_unique_brands(); //
$ip = getIPAddress();
// echo 'User Real IP Address - '.$ip;
?>
<!-- row end -->
</div>
<!-- column end -->
</div>
<div class="col-md-2 bg-secondary p-0">
<!-- Brands to be displayed -->
<ul class="navbar-nav me-auto text-center">
<li class="nav-item bg-info">
<a href="#" class="nav-link text-light"><h4>Delivery Brands</h4></a>
</li> <?php
getbrands();
?>
</ul>
<!-- Categories to be displayed -->
<ul class="navbar-nav me-auto text-center">
<li class="nav-item bg-info">
<a href="#" class="nav-link text-light"><h4>Categories</h4></a>
</li> <?php
getcategories();
?>
</ul>
</div>
</div>
<!-- last child -->
<!-- include footer -->
<?php include("./includes/footer.php") ?>
</div>
<!-- bootstrap js link -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
</body>
</html>
```

display_all.php:

```
<!-- connect file -->
<?php include('./includes/connect.php');
include('functions/common_function.php');
session_start();
?>
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>E commerce website using PHP and MYSQL</title>
<!--bootstrap CSS link --> <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
<!-- font awesome link -->
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/6.5.2/css/all.min.css"
integrity="sha512-
SnH5WK+bZxgPHs44uWIX+LLJAJ9/2PkPKZ5QiAj6Ta86w+fsb2TkcmfRyVX3pBnMFcV7oQPJkl9QevSCWr3W6A=="
crossorigin="anonymous" referrerpolicy="no-referrer"/>
<link rel="stylesheet" href="style.css">
<!-- css file -->
<link rel="stylesheet" href="style.css">
</head>
<body>
<!-- navbar -->
<div class"container-fluid p-0">
<!-- first child -->
<nav class="navbar navbar-expand-lg navbar-light bg-info">
<div class="container-fluid">
<img src="./images/cart2.jpeg" alt="" class="sho3">
<button class="navbar-toggler" type="button"
data-bs-toggle="collapse"                    data-bs-target="#navbarSupportedContent"
ariacontrols="navbarSupportedContent"     aria-expanded="false"     aria-label="Toggle
navigation"> <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav me-auto mb-2 mb-lg-0">
<li class="nav-item">
<a class="nav-link active text-light" aria-current="page" href="index.php">Home</a> </li>
```

```
<li class="nav-item">
<a class="nav-link text-light" href="display_all.php">products</a>
</li>
<li class="nav-item">
<a class="nav-link text-light" href="./users_area/user_registration.php">Register</a>
</li><li class="nav-item">
<a class="nav-link text-light" href="contact.php">Contact</a>
</li></li>
<li class="nav-item">
<a class="nav-link text-light" href="cart.php"><i class="fa-solid fa-cart-shopping"
style="color: #F8F9FA;"></i><sup><?php cart_item(); ?></sup></a>
</li>
</li><li class="nav-item">
<a class="nav-link text-light" href="#">total price: <?php total_cart_price(); ?>/-</a>
</li>
</ul>
<form class="d-flex" action="search_product.php" method="get">
<input class="form-control me-2" type="search" placeholder="Search" aria-label="Search"
name="search_data">
<input type="submit" value="Search" class="btn btn-outline-light" name="search_data_product">
</form>
</div>
</div>
</nav>
<!-- second child -->
<nav class="navbar navbar-expand-lg navbar-dark bg-secondary">
<ul class="navbar-nav me-auto">
<?php
if(!isset($_SESSION['username'])){ echo
"<li class='nav-item'>
<a class='nav-link text-light' href='#'>Welcome Guest</a>
</li>"; }else{
echo "<li class='nav-item'>
<a class='nav-link text-light' href='#'>Welcome ".$_SESSION['username']."</a>
</li>";
} if(!isset($_SESSION['username'])){
echo "<li class='nav-item'>
<a class='nav-link text-light' href='./users_area/user_login.php'>Login</a>
</li>"; }else{ echo "<li
class='nav-item'>
<a class='nav-link text-light' href='./users_area/logout.php'>Logout</a>
</li>";
}
?>
</ul>
```

```
</nav>
<!-- third child -->
<div class="bg light">
<h3 class="text-center text-info">Digital Dreams</h3>
<p class="text-center text-success">Communication is at the heart of e-commerce and
community</p>
</div>
<!-- fourth child -->
<div class="row px-1">
<div class="col-md-10">
<!-- Products -->
<div class="row">
<!-- fetching products -->
<?php
// calling function get_all_products();
get_unique_categories();
get_unique_brands();
?>
<!-- row end -->
</div>
<!-- column end -->
</div>
<div class="col-md-2 bg-secondary p-0">
<!-- Brands to be displayed -->
<ul class="navbar-nav me-auto text-center">
<li class="nav-item bg-info">
<a href="#" class="nav-link text-light"><h4>Delivery Brands</h4></a>
</li>
<?php
// calling brands getbrands();
?>
</ul>
<!-- Categories to be displayed -->
<ul class="navbar-nav me-auto text-center">
<li class="nav-item bg-info">
<a href="#" class="nav-link text-light"><h4>Categories</h4></a>
</li> <?php
getcategories();
?>
</ul>

</div>
</div>
<!-- last child -->
<?php include("./includes/footer.php")
```

```
?>
</div>
<!-- bootstrap js link -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
</body>
</html>
```

Contact.php

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<link rel="stylesheet" href="bootstrap.css">
<title>Contact Us Form</title>
<!--bootstrap CSS link --> <link
rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>
```

```
<!-- font awesome link -->
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/6.5.2/css/all.min.css"
integrity="sha512-
SnH5WK+bZxgPHs44uWIX+LLJAJ9/2PkPKZ5QiAj6Ta86w+fsb2TkcmfRyVX3pBnMFcV7oQPJkl9QevSCWr3W6A=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
<link rel="stylesheet" href="style.css">
<style> body{
overflow: hidden;
} div.header{ background-
color: #000000;
} div.card-body{
background-color: #F62681;
} div.Button button{
background-color: #009BBA;
font-size: 16px; font-
weight: 550; padding: 8px
12px; border: 2px solid
black; border-radius: 5px;
}
</style>
</head>
<body>
<div class="container">
<div class="row">
<div class="col-lg-6 col-xl-5">
<img src="./images/cont1.jpeg" alt="contact" class="img-fluid">
<img src="./images/contact.jpeg" alt="contact" class="img-fluid">
</div>
<div class="col-lg-6 m-auto">
<div class="card">
<div class="card-title mb-0">
<div class="header mt-0">
<h2 class="text-center text-light py-2">CONTACT US</h2>
</div>
<hr>
<?php $message="";
if(isset($_GET['error'])){
$message="Please fill all the fields!"; echo '<div
class="alert alert-danger">'.$message.'</div>'; }
if(isset($_GET['success'])){ $message="Your Message Has
Been Sent"; echo '<div class="alert alert-
success">'.$message.'</div>';
}
?>
</div>
```

```
<div class="card-body">
<form action="process.php" method="post">
<i class="fa-solid fa-user"></i>
<input type="text" name="username" placeholder="Username" class="form-control mb-2">
<i class="fa-solid fa-envelope"></i>
<input type="email" name="email" placeholder="Email" class="form-control mb-2">
<i class="fa-solid fa-envelope-open-text"></i>
<input type="text" name="subject" placeholder="Subject" class="form-control mb-2">
<i class="fa-solid fa-message"></i>
<textarea name="message" class="form-control" placeholder="Write The Message"></textarea>
<div class="Button">
<button name="btn-send" class="text-light mt-2">Send</button>
</div>
</form>

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

process.php

```
<?php
if(isset($_POST['btn-send'])){
$username=$_POST['username'];
$email=$_POST['email'];
$subject=$_POST['subject']; $message=$_POST['message'];
if(empty($username) || empty($email) || empty($subject) || empty($message)){
header('location:contact.php?error');
}else{ echo "<h1>Message
Sent</h1>";
}
}
?>
```

Cart.php

```
<!-- connect file -->
<?php include('includes/connect.php');
include('functions/common_function.php');
session_start();
?>
<!DOCTYPE html>
```

```
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="X-UA-Compatible" content="ie=edge">
<title>E commerce website- Cart Details</title>

<!--bootstrap CSS link --> <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"
crossorigin="anonymous">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"
crossorigin="anonymous"></script>

<!-- font awesome link -->
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/fontawesome/6.5.2/css/all.min.css"
integrity="sha512-
SnH5WK+bZxgPHs44uWIX+LLJAJ9/2PkPKZ5QiAj6Ta86w+fsb2TkcmfRyVX3pBnMFcV7oQPJkl9QevSCWr3W6A=="
crossorigin="anonymous" referrerpolicy="no-referrer" />
<link rel="stylesheet" href="style.css">
<!-- css file -->
<link rel="stylesheet" href="style.css">
<style>
.cart_img{   width:
80px; height: 80px;
object-fit:contain;
}
</style>
</head>
<body>
<!-- navbar -->
<div class"container-fluid p-0">
<!-- first child -->
<nav class="navbar navbar-expand-lg navbar-light bg-info">
<div class="container-fluid">
<img src="./images/cart2.jpeg" alt="" class="sho3"> <button class="navbar-toggler"
type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent"
ariacontrols="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation"> <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarSupportedContent">
<ul class="navbar-nav me-auto mb-2 mb-lg-0">
<li class="nav-item">
<a class="nav-link active text-light" aria-current="page" href="index.php">Home</a> </li>
<li class="nav-item">
```

```
<a class="nav-link text-light" href="display_all.php">products</a>
</li>
<li class="nav-item">
<a class="nav-link text-light" href="./users_area/user_registration.php">Register</a>
</li><li class="nav-item">
<a class="nav-link text-light" href="contact.php">Contact</a>
</li></li>
<li class="nav-item">
<a class="nav-link text-light" href="cart.php"><i class="fa-solid fa-cart-shopping"
style="color:#F8F9FA;"></i><sup><?php cart_item(); ?></sup></a>
</li>
</ul>
</div>
</div>
</nav>
<!-- calling cart function -->
<?php cart();
?>
<!-- second child -->
<nav class="navbar navbar-expand-lg navbar-dark bg-secondary">
<ul class="navbar-nav me-auto">
<?php
if(!isset($_SESSION['username'])){ echo
"<li class='nav-item'>
<a class='nav-link text-light' href='#'>Welcome Guest</a>
</li>"; }else{
echo "<li class='nav-item'>
<a class='nav-link text-light' href='#'>Welcome ".$_SESSION['username']."</a>
</li>"; }
if(!isset($_SESSION['username'])){
echo "<li class='nav-item'>
<a class='nav-link text-light' href='./users_area/user_login.php'>Login</a>
</li>"; }else{ echo "<li
class='nav-item'>
<a class='nav-link text-light' href='./users_area/logout.php'>Logout</a>
</li>";
}
?>
</ul>
</nav>
<!-- third child -->
<div class="bg light">
<h3 class="text-center text-info">Digital Dreams</h3>
<p class="text-center text-success">Communication is at the heart of e-commerce and
community</p>
```

```
</div>
<!-- fourth child-table -->
<div class="container">
<div class="row">
<form action="" method="post">
<table class="table table-bordered text-center">
<tbody>
<!-- php code to display dynamic data -->
<?php
$get_ip_add =getIPAddress();
$total_price=0;
$cart_query="select * from `cart_details` where ip_address='$get_ip_add'";
$result=mysqli_query($con,$cart_query);
$result_count=mysqli_num_rows($result);
if($result_count>0){ echo "<thead>
<tr>
<th>Product Title</th>
<th>Product Image</th>
<th>Quantity</th>
<th>Total Price</th>
<th>Remove</th>
<th colspan='2'>Operations</th>
</tr>
</thead>
<tbody>";
```

```
while($row=mysqli_fetch_array($result)){
$product_id=$row['product_id'];
$select_products="select * from `products` where product_id='$product_id'";
$result_products=mysqli_query($con,$select_products);
while($row_product_price=mysqli_fetch_array($result_products)){
$product_price=array($row_product_price['product_price']);
$price_table=$row_product_price['product_price'];
$product_title=$row_product_price['product_title'];
$product_image1=$row_product_price['product_image1'];
$product_values=array_sum($product_price);
$total_price+=$product_values;
?>
<tr>
<td><?php echo $product_title?></td>
<td><img src="./admin_area/product_images/<?php echo $product_image1 ?>" alt=""
class="cart_img"></td>
<td><input type="text" name="qty" class="form-input w-50"></td>
<?php
$get_ip_add =getIPAddress(); if(isset($_POST['update_cart'])){
$quantities=$_POST['qty'];
$update_cart="update `cart_details` set quantity=$quantities where ip_address='$get_ip_add'";
$result_products_quantity=mysqli_query($con,$update_cart);
$total_price=$total_price*$quantities;
}
?>
<td><?php echo $price_table ?>/-</td>
<td><input type="checkbox" name="removeitem[]" value="<?php echo $product_id ?>"></td>

<td>
<!-- <button class="bg-info px-3 py-2 mx-3">Update</button> -->
<input type="submit" value="Update Cart" class="bg-info px-3 py-2 mx-3" name="update_cart">
<!-- <button class="bg-info px-3 py-2 mx-3">Remove</button> -->
<input type="submit" value="Remove Cart" class="bg-info px-3 py-2 mx-3" name="remove_cart">
</td>
</tr> <?php
}}} else{
echo "<h2 class='text-center text-danger'>Cart is empty</h2>";
}
?>

</tbody>
</table>
<!-- subtotal -->
<div class="d-flex mb-5">
<?php
```

```
$get_ip_add =getIPAddress();
$total_price=$total_price;
$cart_query="select * from `cart_details` where ip_address='$get_ip_add'";
$result=mysqli_query($con,$cart_query); $result_count=mysqli_num_rows($result);
if($result_count>0){ echo "<h4 class='px-3'>Subtotal: <strong class='text-
info'>$total_price/-</strong></h4> <input type='submit' value='Continue Shopping'
class='bg-info px-3 py-2 mx-3' name='continue_shopping'>
<button class='bg-secondary px-3 py-2'><a href='./users_area/checkout.php' class='text-light
text-decoration-none'>Checkout</a></button>";
}else{ echo "<input type='submit' value='Continue Shopping' class='bg-info px-3 py-2
mx-3' name='continue_shopping'>";

}  if(isset($_POST['continue_shopping'])){ echo
"<script>window.open('index.php','_self')</script>";
}
?>
</div>
</div>
</div>
</form>
<!-- function to remove item -->
<?php function
remove_cart_item(){ global
$con;
if(isset($_POST['remove_cart'])){
foreach($_POST['removeitem']as  $remove_id){
echo  $remove_id;
$delete_query="Delete from `cart_details` where product_id=$remove_id";
$run_delete=mysqli_query($con,$delete_query); if($run_delete){
echo "<script>window.open('cart.php','_self')</script>";
}

}
} }
echo $remove_item=remove_cart_item();
?>
<!-- last child -->
<!-- include footer -->
<?php include("./includes/footer.php")
?>
</div>
<!-- bootstrap js link -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
integrity="sha384KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
```

```
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
</body>
</html>
```

list_orders.php

```
<h3 class="text-center text-success">All Orders</h3>
<table class="table table-bordered mt-5">
<thead class="bg-success">
<?php
$get_orders="select * from `user_orders`";
$result=mysqli_query($con,$get_orders);
$row_count=mysqli_num_rows($result);
if($row_count>0){ echo "<tr> <th>Sl
no.</th>
<th>Due Amount</th>
<th>Invoice Number</th>
<th>Total Products</th>
<th>Order Date</th>
<th>Status</th>
<th>Delete</th>
</tr>
</thead>
<tbody>"; } if($row_count==0){ echo "<h2 class='text-danger text-
center mt-5'>No Orders Yet</h2>";
}else{ $number=0;
while($row_data=mysqli_fetch_assoc($result)){
$order_id=$row_data['order_id'];
$user_id=$row_data['user_id'];
$amount_due=$row_data['amount_due'];
$invoice_number=$row_data['invoice_number'];
$total_products=$row_data['total_products'];
$order_date=$row_data['order_date'];
```

```
$order_status=$row_data['order_status'];
$number++;
}
?>
<tr class="text-center">
<td><?php echo $number;?></td>
<td><?php echo $amount_due;?></td>
<td><?php echo $invoice_number;?></td>
<td><?php echo $total_products;?></td>
<td><?php echo $order_date;?></td>
<td><?php echo $order_status;?></td>
<td><a href='index.php?delete_order=<?php echo $order_id?>'><i class='fa-solid fa-trash'
style='color:#FFA500;'></i></a></td>
</tr>
<?php
}
?>
</tbody>
</table>
```

list_payments.php :

```
<h3 class="text-center text-success">All Payments</h3>
<table class="table table-bordered mt-5">
<thead class="bg-success">
<?php
$get_payments="select * from `user_payments`";
$result=mysqli_query($con,$get_payments);
$result_count=mysqli_num_rows($result);
if($result_count>0){  echo  "<tr>  <th>Sl
no.</th>
<th>Order Id</th>
<th>Payment Id</th>
<th>Amount</th>
<th>Invoice Number</th>
<th>payment Mode</th>
<th>Order Date</th>
<th>Delete</th>
</tr>
</thead>
<tbody>"; }
if($result_count==0){
echo "<h2 class='text-danger text-center mt-5'>No payments received yet</h2>";
}else{
$number=0; while($row_data=mysqli_fetch_assoc($result)){
```

```
$order_id=$row_data['order_id'];
$payment_id=$row_data['payment_id'];
$amount=$row_data['amount'];
$invoice_number=$row_data['invoice_number'];
$payment_mode=$row_data['payment_mode'];
$date=$row_data['date'];
$number++;
}
?>
<tr class="text-center">
<td><?php echo $number;?></td>
<td><?php echo $order_id;?></td>
<td><?php echo $payment_id;?></td>
<td><?php echo $amount;?></td>
<td><?php echo $invoice_number;?></td>
<td><?php echo $payment_mode;?></td>
<td><?php echo $date;?></td>
<td><a href='index.php?delete_payment=<?php echo $payment_id?>'><i class='fa-solid fa-trash'
style='color:#FFA500;'></i></a></td>
</tr>
<?php
}?>
</tbody>
</table>
```

list_users.php:

```
<h3 class="text-center text-success">All Users</h3>
<table class="table table-bordered mt-5">
<thead class="bg-success">
<?php
$get_orders="select * from `user_table`";
$result=mysqli_query($con,$get_orders);
$result_count=mysqli_num_rows($result);
if($result_count>0){ echo "<tr> <th>Sl
no.</th>
<th>Username</th>
<th>User Email</th>
<th>User Image</th>
<th>User Address</th>
<th>User Mobile</th>
<th>Delete</th>
</tr>
</thead>
```

```
<tbody>"; } if($result_count==0){ echo "<h2 class='text-danger
text-center mt-5'>No Users yet</h2>";
}else{ $number=0;
while($row_data=mysqli_fetch_assoc($result)){
$user_id=$row_data['user_id'];
$username=$row_data['username'];
$user_email=$row_data['user_email'];
$user_image=$row_data['user_image'];
$user_address=$row_data['user_address'];
$user_mobile=$row_data['user_mobile'];
$number++;
}?>
<tr class='text-center'>
<td><?php echo $number;?></td>
<td><?php echo $username;?></td>
<td><?php echo $user_email?></td>
<td><img src='../users_area/user_images/<?php echo $user_image ?>' alt='$user_image'
class='product_img'/></td> <td><?php echo $user_address;?></td>
<td><?php echo $user_mobile;?></td>
<td><a href='index.php?delete_user=<?php echo $user_id?>'><i class='fa-solid fa-trash'
style='color:#FFA500;'></i></a></td>
</tr>
<?php
}?>
</tbody>
</table>
```

view_brands.php :

```
<h3 class="text-center text-success">All Brands</h3>
<table class="table table-bordered mt-5">
<thead class="bg-secondary text-light text-center">
<tr>
<th>Sl no.</th>
<th>Brand Title</th>
<th>Edit</th>
<th>Delete</th>
</tr>
</thead>
<tbody class="bg-info text-light">
<?php
$select_cat="select * from `brands`";
$result=mysqli_query($con,$select_cat);
$number=0; while($row=mysqli_fetch_assoc($result)){
$brand_id=$row['brand_id'];
```

```
$brand_title=$row['brand_title'];
$number++;
?>

<tr class="text-center">
<td><?php echo $number;?></td>
<td><?php echo $brand_title;?></td>
<td><a href='index.php?edit_brand=<?php echo $brand_id?>'><i class='fa-solid fa-pen-to-square'
style='color:#FFFFFF;'></i></a></td> <td><a href='index.php?delete_brand=<?php echo
$brand_id?>'type="button" class="" datatoggle="modal" data-target="#exampleModal"><i
class='fa-solid fa-trash' style='color:#FFFFFF;'></i></a></td>
</tr>
<?php
}?>
</tbody>
</table>
<!-- Modal -->
<div class="modal fade" id="exampleModal" tabindex="-1" role="dialog"
arialabelledby="exampleModalLabel" aria-hidden="true">
<div class="modal-dialog" role="document">
<div class="modal-content">
<div class="modal-body">
<h4>Are you sure you want to delete this?</h4>
</div>
<div class="modal-footer">
<button type="button" class="btn btn-secondary" data-dismiss="modal"><a
href="./index.php?view_brands" class="text-light text-decoration-none">No</a></button> <button
type="button" class="btn btn-primary"><a  href='index.php?delete_brand=<?php echo
$brand_id?>' class="text-light text-decoration-none">Yes</a></button>
</div>
</div>
</div>
</div>
```

view_categories.php :

```
<h3 class="text-center text-success">All Categories</h3>
<table class="table table-bordered mt-5">
<thead class="bg-secondary text-light text-center">
<tr>
<th>Sl no.</th>
<th>Category Title</th>
<th>Edit</th>
<th>Delete</th>
</tr>
```

```
</thead>
<tbody class="bg-info text-light">
<?php
$select_cat="select * from `categories`";
$result=mysqli_query($con,$select_cat);
$number=0; while($row=mysqli_fetch_assoc($result)){
$category_id=$row['category_id'];
$category_title=$row['category_title'];
$number++;
?>
<tr class="text-center">
<td><?php echo $number;?></td>
<td><?php echo $category_title;?></td>
<td><a href='index.php?edit_category=<?php echo $category_id?>'><i class='fa-solid fa-pen-
tosquare' style='color:#FFFFFF;'></i></a></td>
<td><a href='index.php?delete_category=<?php echo $category_id?>'><i class='fa-solid fa-trash'
style='color:#FFFFFF;'></i></a></td>
</tr>
<?php
}?>
</tbody>
</table>
```

view_products.php :

```
<h3 class="text-center text-success">All Products</h3>
<table class="table table-bordered mt-5">
<thead class="bg-success text-center">
<tr>
<th>Product ID</th>
<th>Product Title</th>
<th>Product Image</th>
<th>Product Price</th>
<th>Total Sold</th>
<th>Status</th> <th>Edit</th>
<th>Delete</th>
</tr>
</thead>
<tbody class style="color:#008000;">
<?php
$get_products="select * from `products`";
$result=mysqli_query($con,$get_products);
$number=0; while($row=mysqli_fetch_assoc($result)){
$product_id=$row['product_id'];
$product_title=$row['product_title'];
$product_image1=$row['product_image1'];
```

```
$product_price=$row['product_price'];
$status=$row['status'];
$number++;
?>
<tr class='text-center'>
<td><?php echo $number;?></td>
<td><?php echo $product_title; ?></td>
<td><img src='./product_images/<?php echo $product_image1; ?>' class='product_img'/></td>
<td><?php echo $product_price; ?></td>
<td><?php
$get_count="select * from `orders_pending` where product_id=$product_id";
$result_count=mysqli_query($con,$get_count);
$rows_count=mysqli_num_rows($result_count); echo
$rows_count;
?></td>
<td><?php echo $status; ?></td>
<td><a href='index.php?edit_products=<?php echo $product_id ?>'><i class='fa-solid fa-pen-
tosquare' style='color:#32CD32;'></i></a></td>
<td><a href='index.php?delete_product=<?php echo $product_id ?>'><i class='fa-solid fa-trash'
style='color:#32CD32;'></i></a></td>
</tr>
<?php
}
?>
</tbody>
</table>
```

sessions.php

```
// session for user_error
<?php //
sessions()
session_start();
$_SESSION['username']="sweta";
$_SESSION['password']="1234";
$_SESSION['email']="coding@gmail.com"; echo
"session data is saved";
?>
```

logout.php

```
<?php session_start();
session_unset();
session_destroy(); echo
"session destroyed";
?>
```

connection.php

```
<?php
```

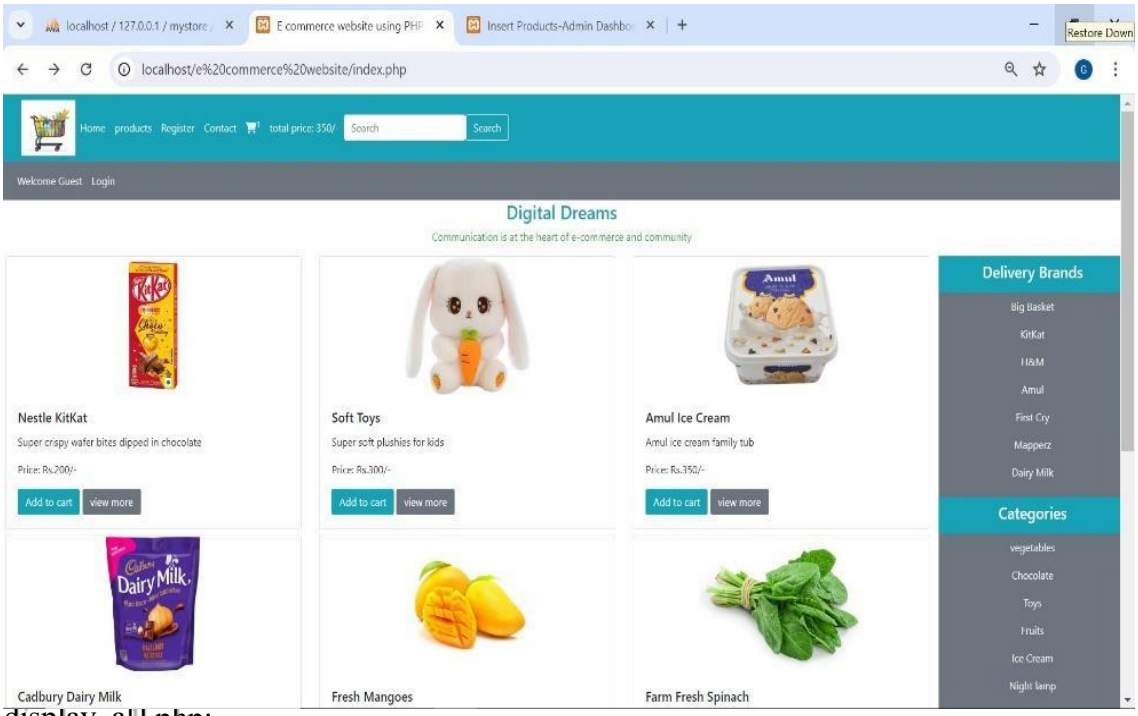
```
$con=mysqli_connect("localhost","root","","mystore"); if(mysqli_connect_error())
{ echo "cannot
connect";
}
?>
```

style.css:

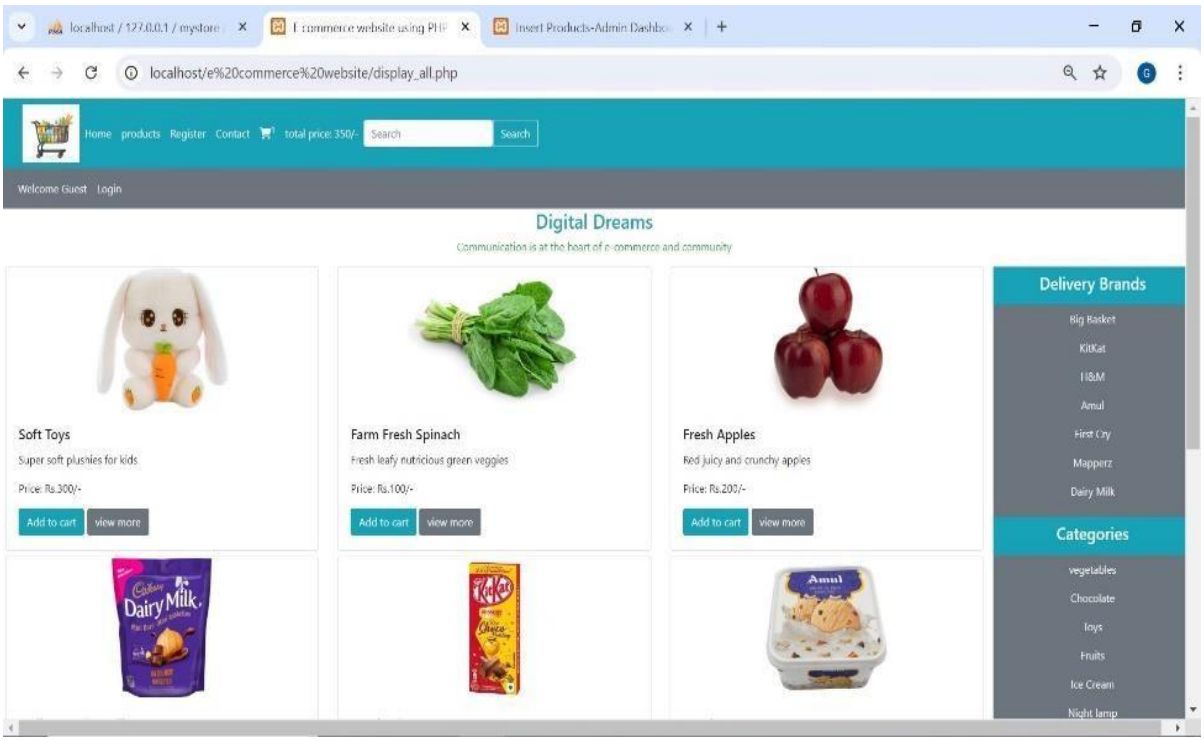
```
*{ margin: 0; padding
:0; box-sizing: border-
box;
}    .sho3{
width:  5%;
height: 5%;
}
.card-img-top{
width: 100%; height:
200px; object-fit:
contain; }
/*.admin_image{ width:
100px; object-fit:
contain;
}*/
.cart_img{
width:  80px;
height: 80px;
}
.profile_img{ width:
100%;
height: 100%;
}
```

All Page Outputs:

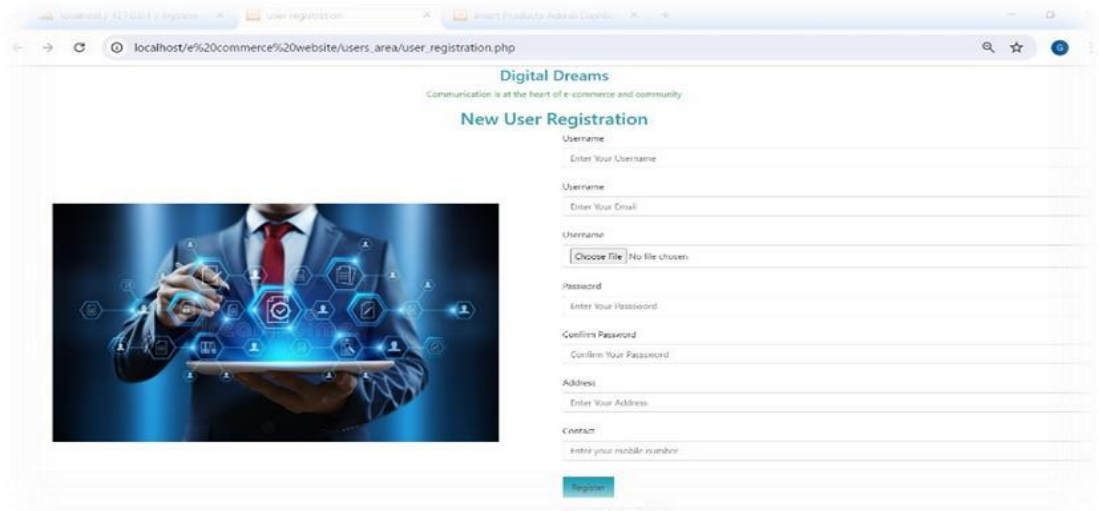
Index.php:



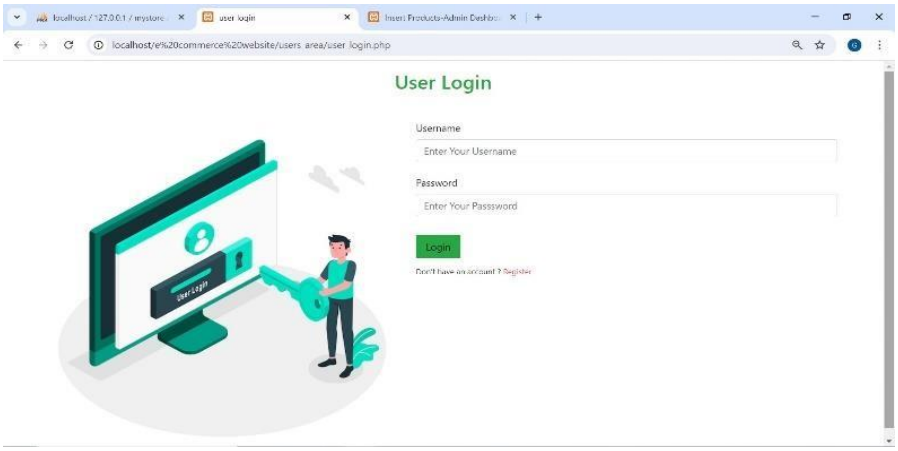
display_all.php:



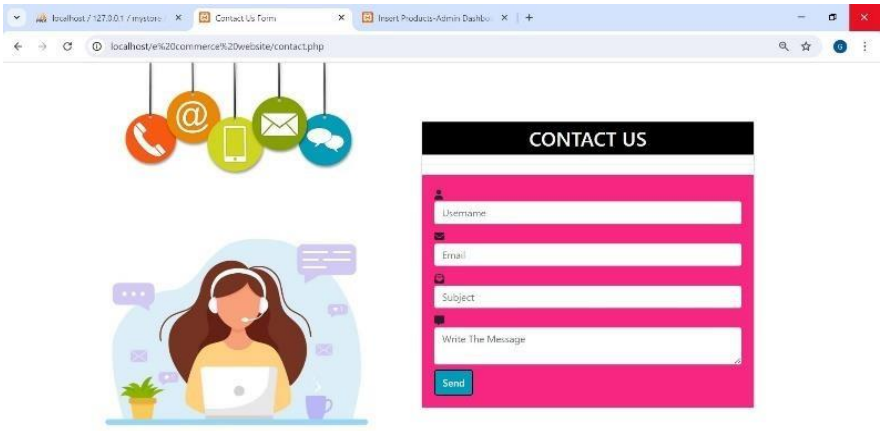
user_registration.php:



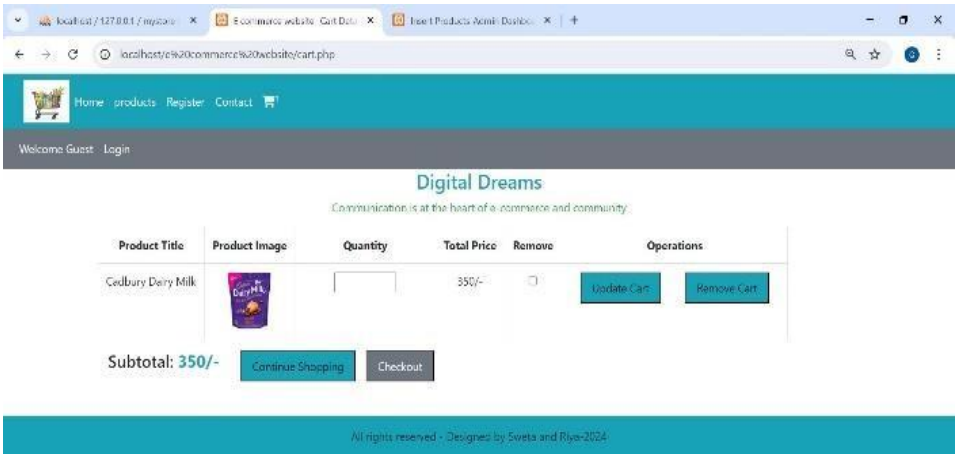
user_login.php:



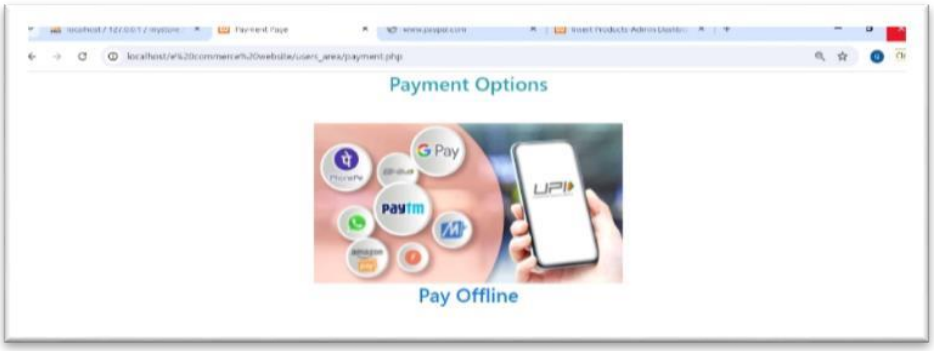
contact.php:



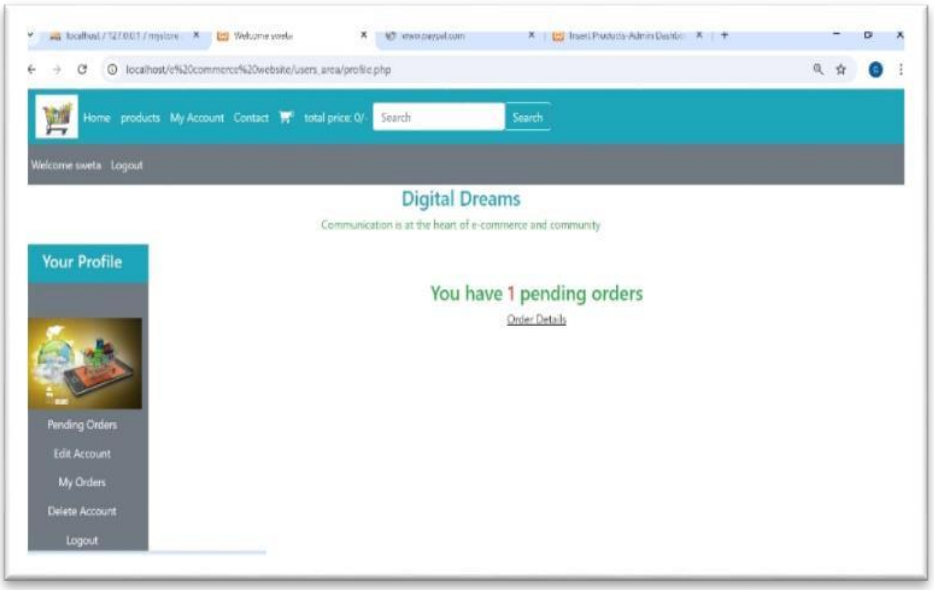
Cart.php:



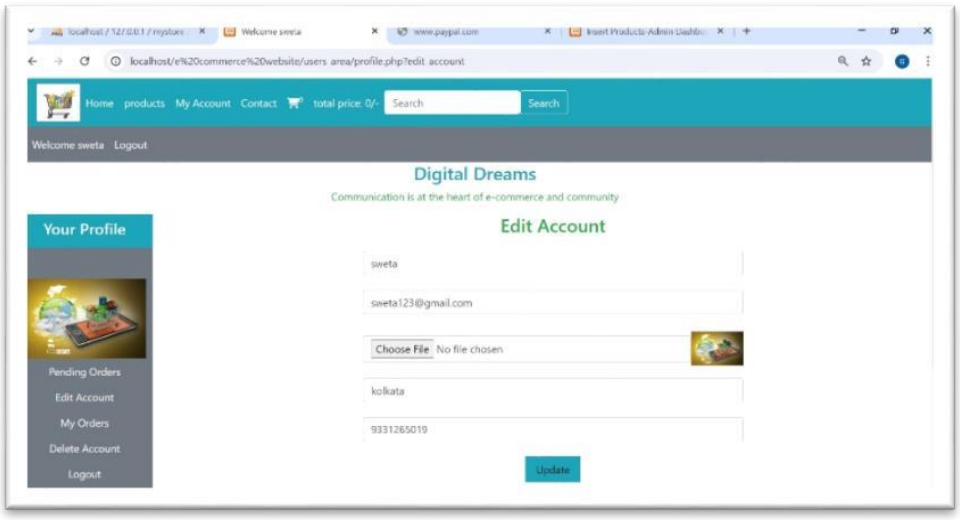
Payment.php:



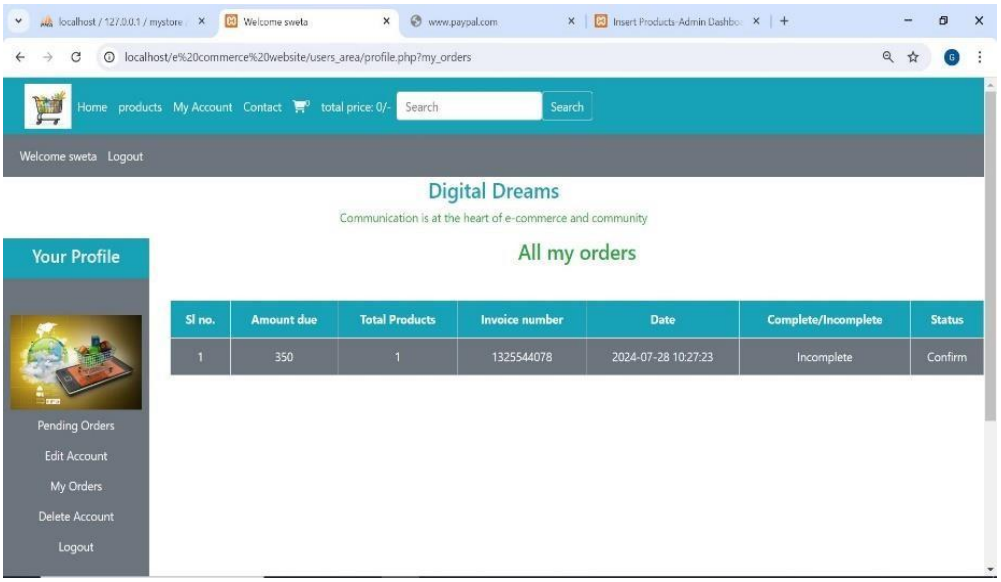
Profile.php:



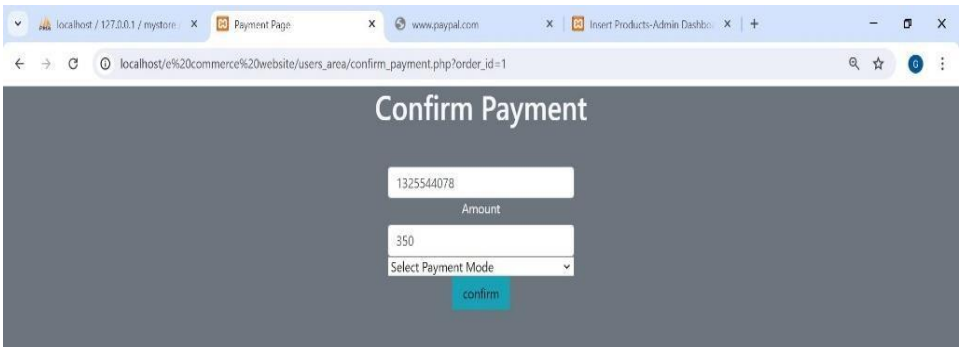
edit_account:



my_orders:



Confirm_payment:



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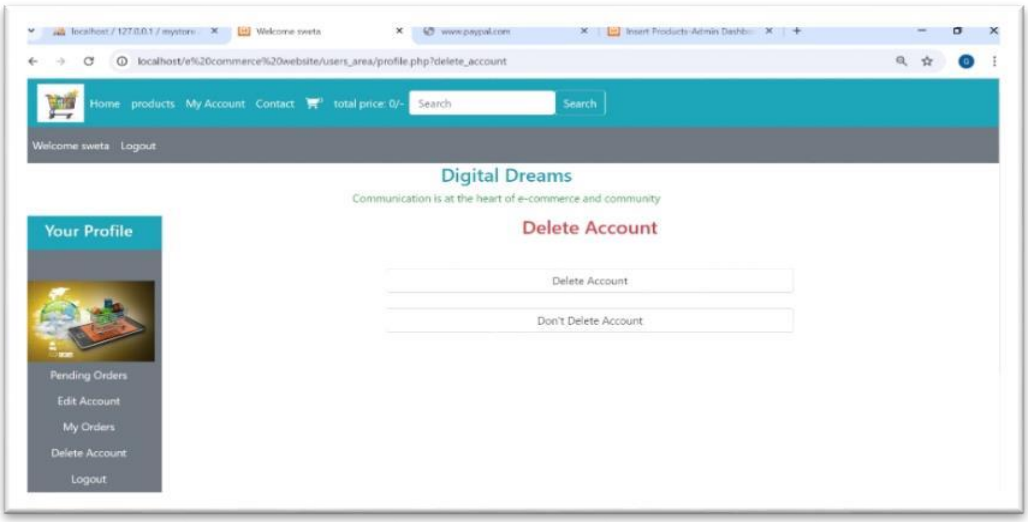

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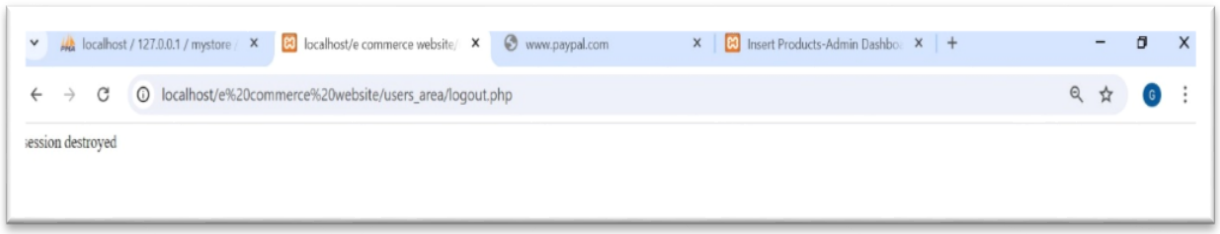

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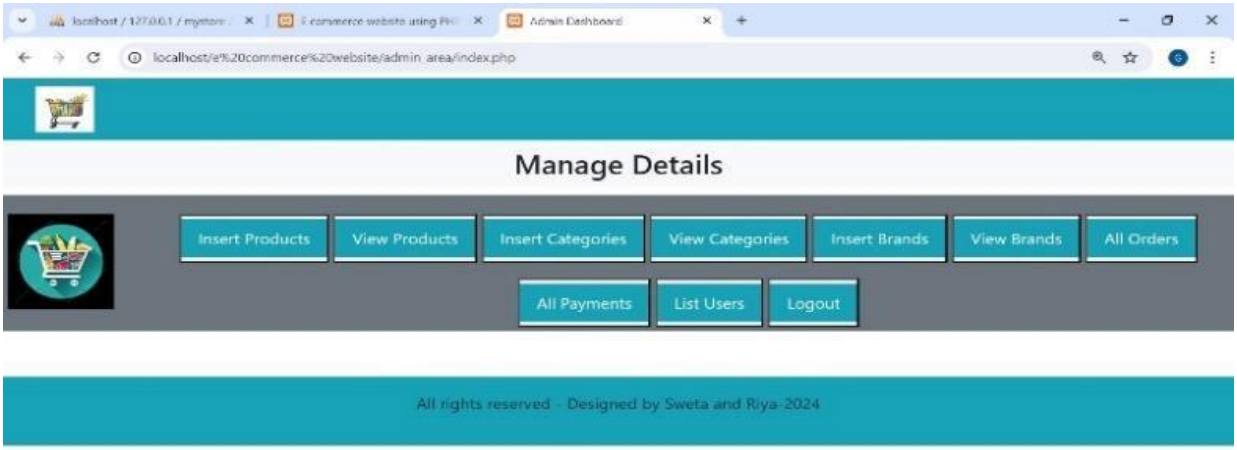

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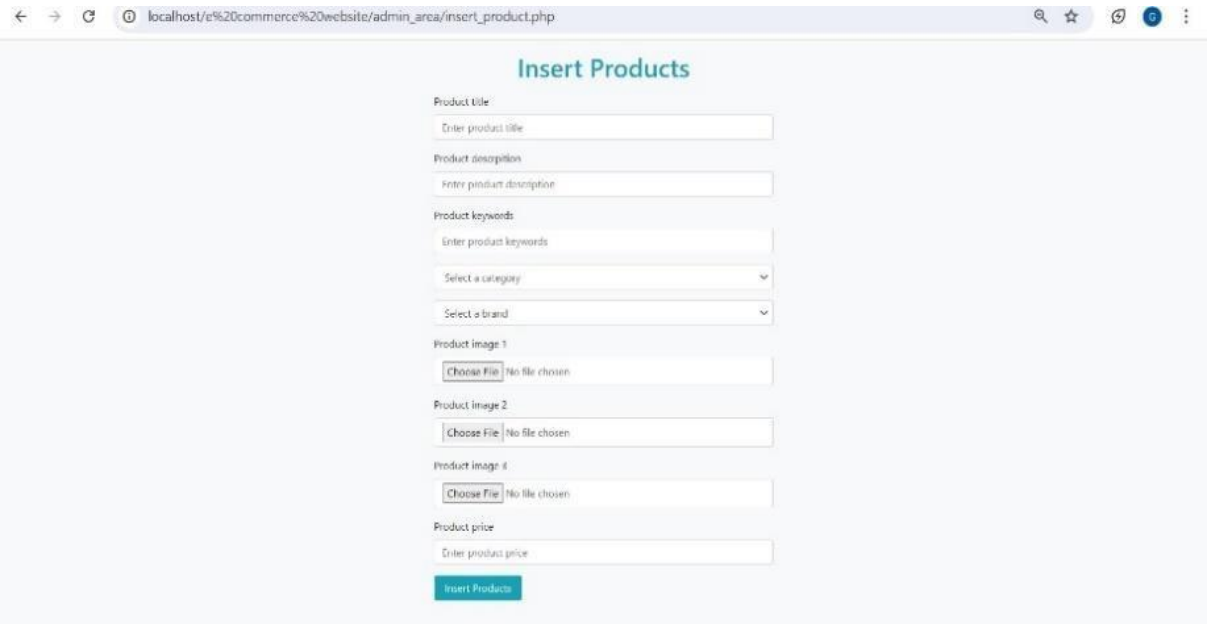

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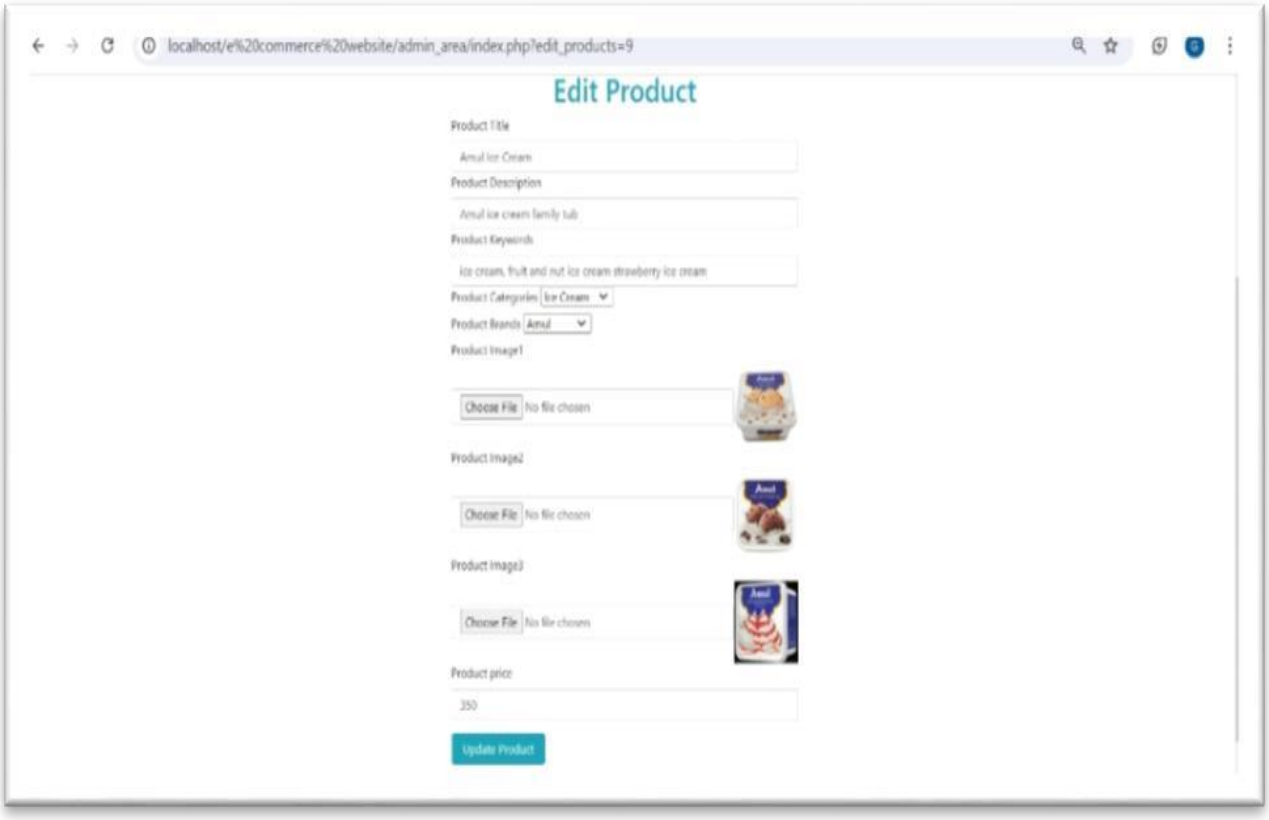

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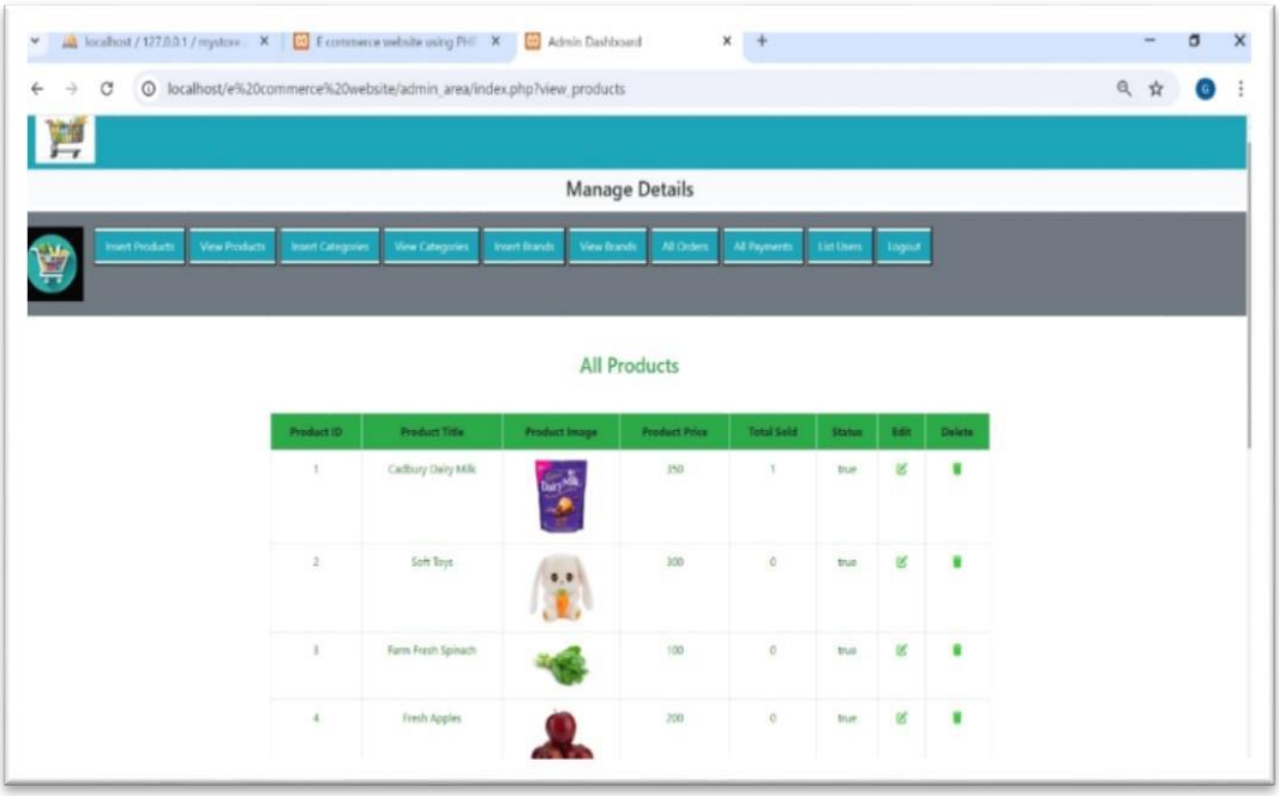

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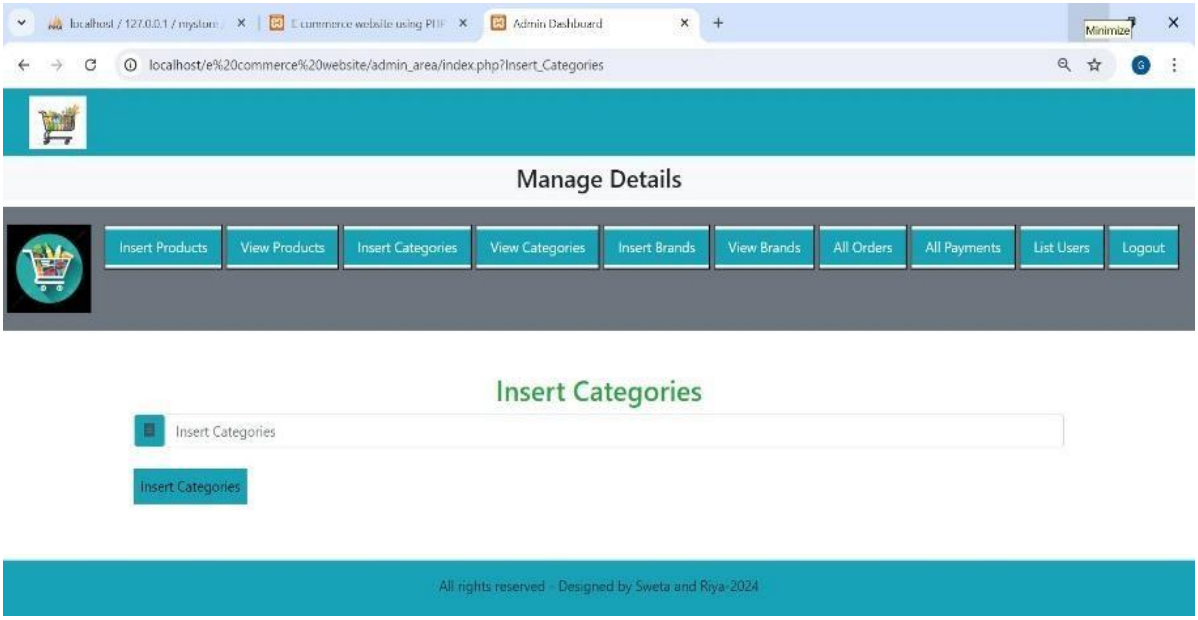

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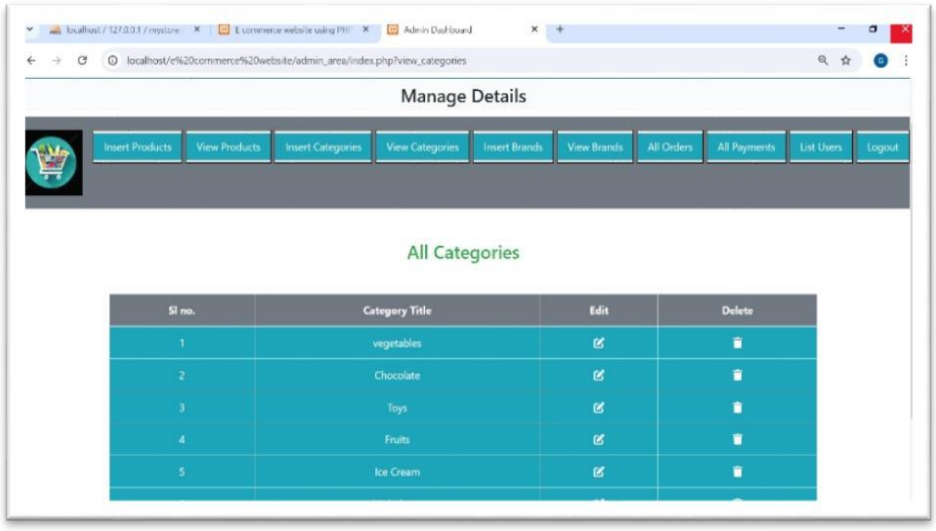

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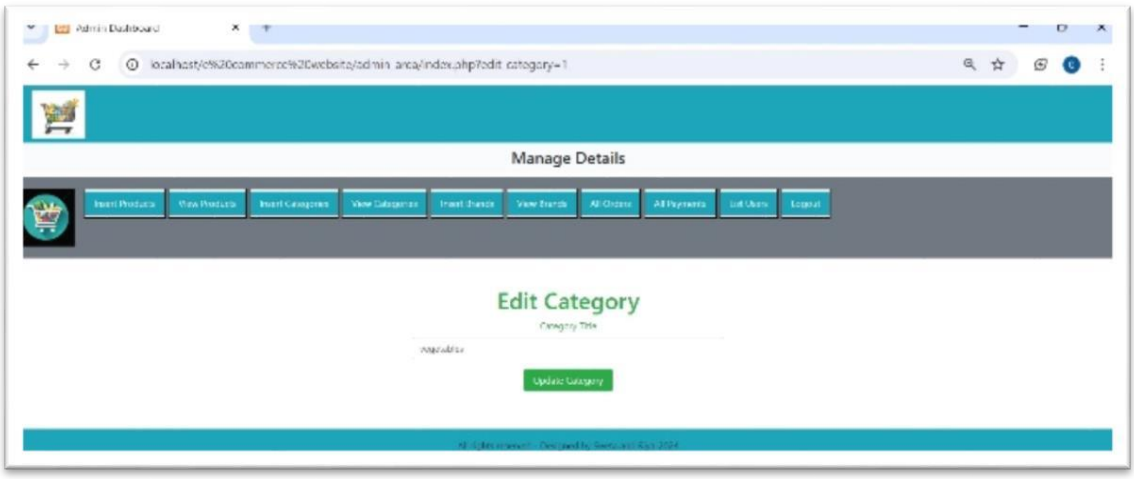

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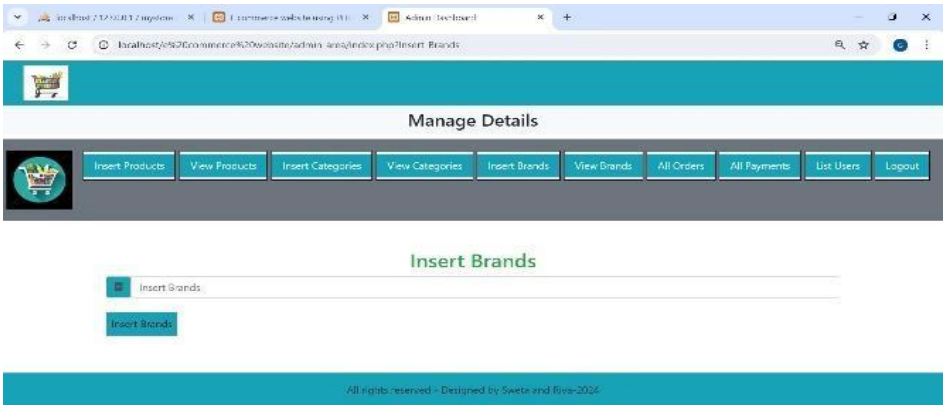

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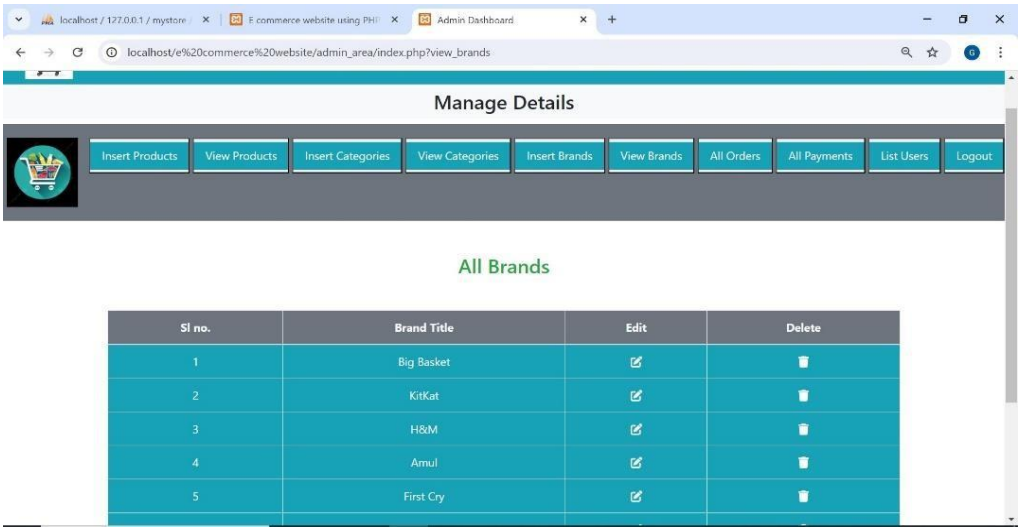

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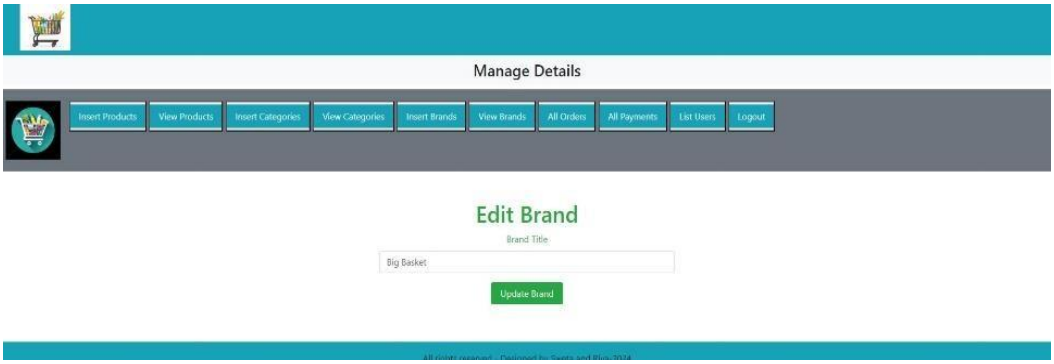

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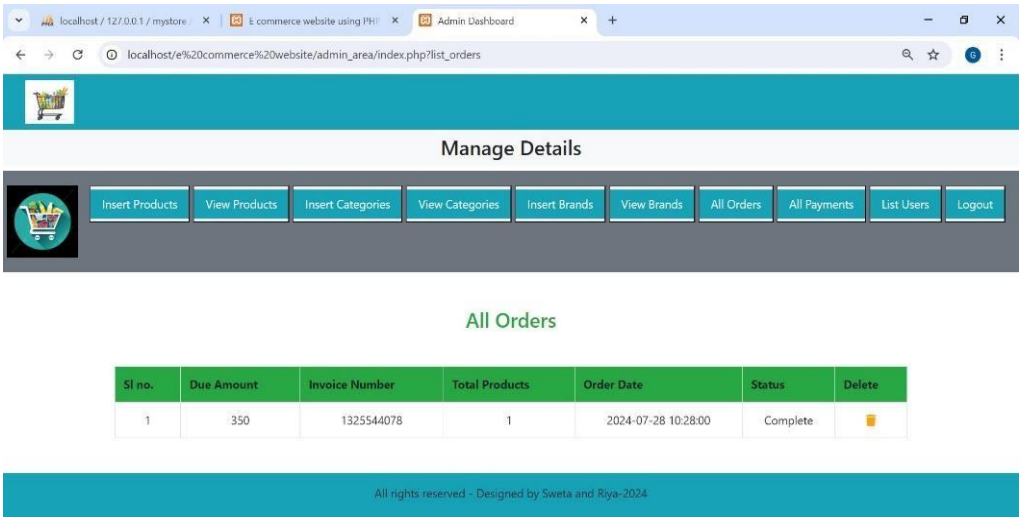

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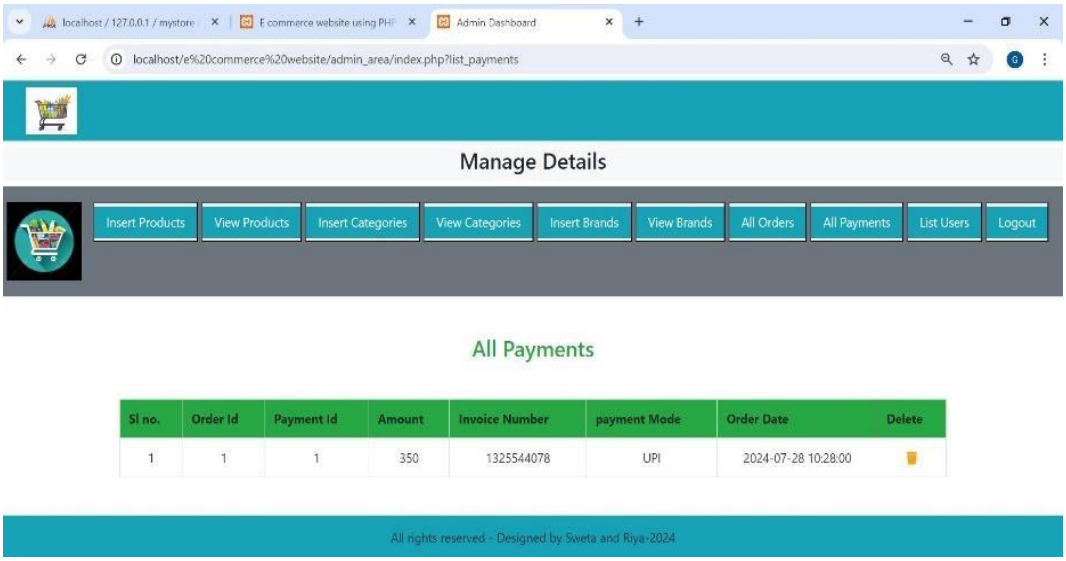

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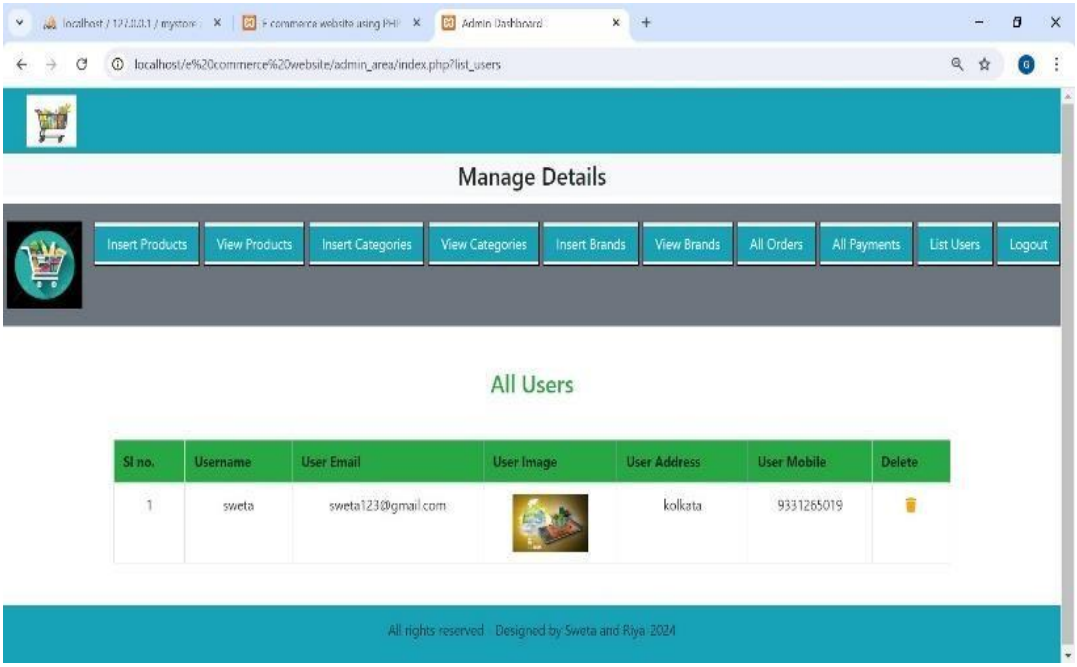

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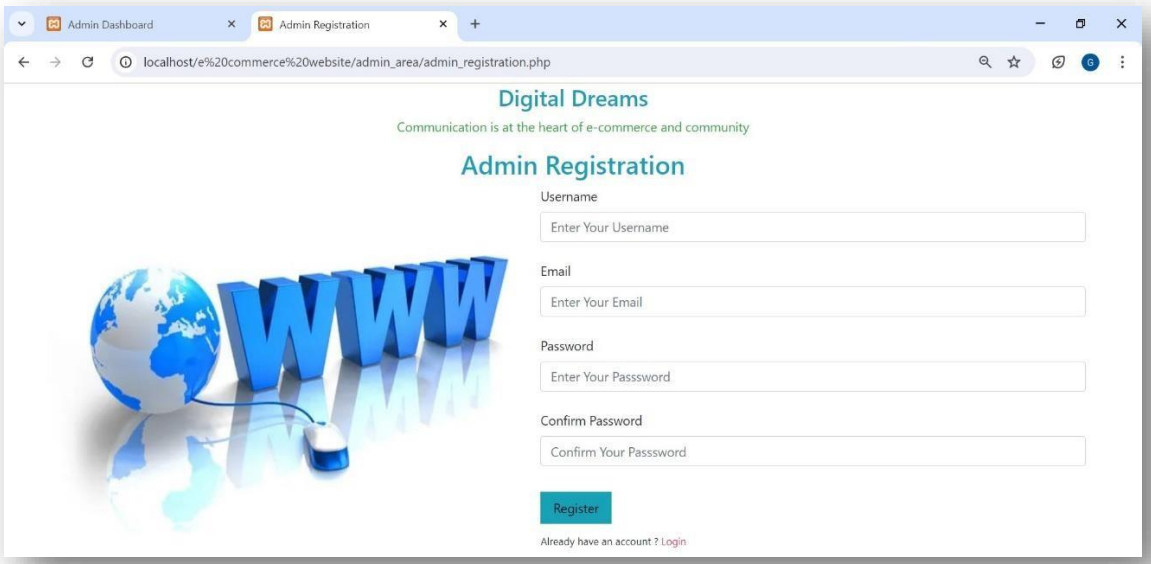

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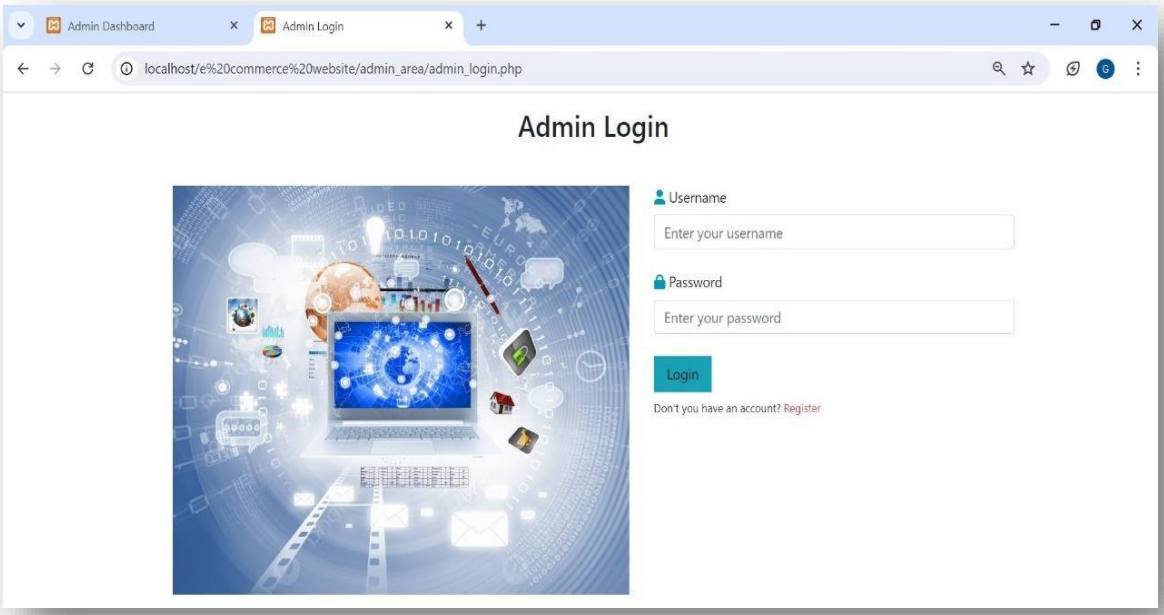


DATABASE

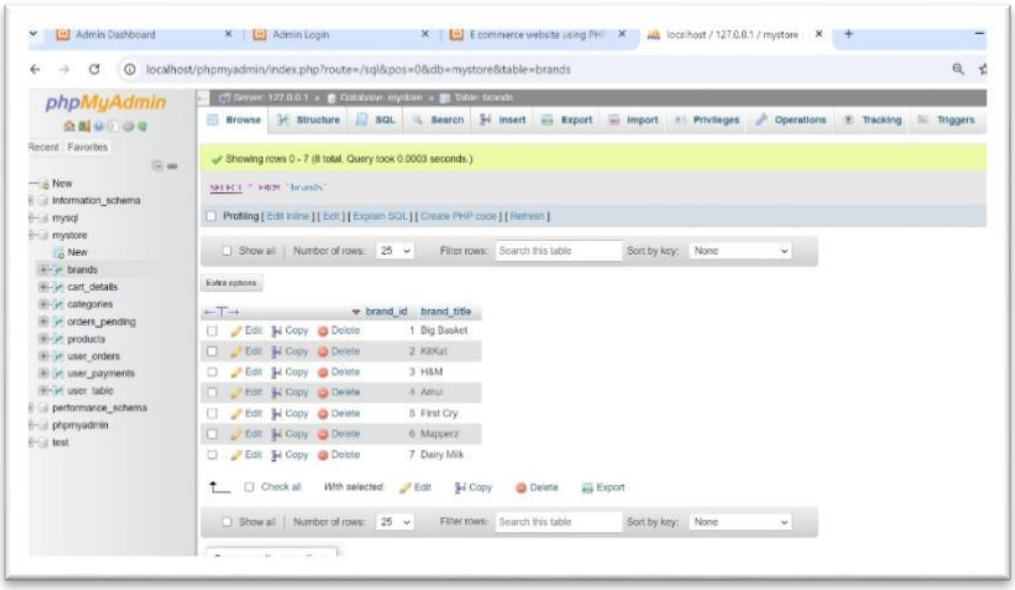
A Database Management System (DBMS) is a software system that is designed to manage and organize data in a structured manner. It allows users to create, modify, and query a database, as well as manage the security and access controls for that database.

Databases help e-commerce sites to update and hold information regarding products. This can include detailed product descriptions, prices, specifications, product reference numbers, promotions, and availability.

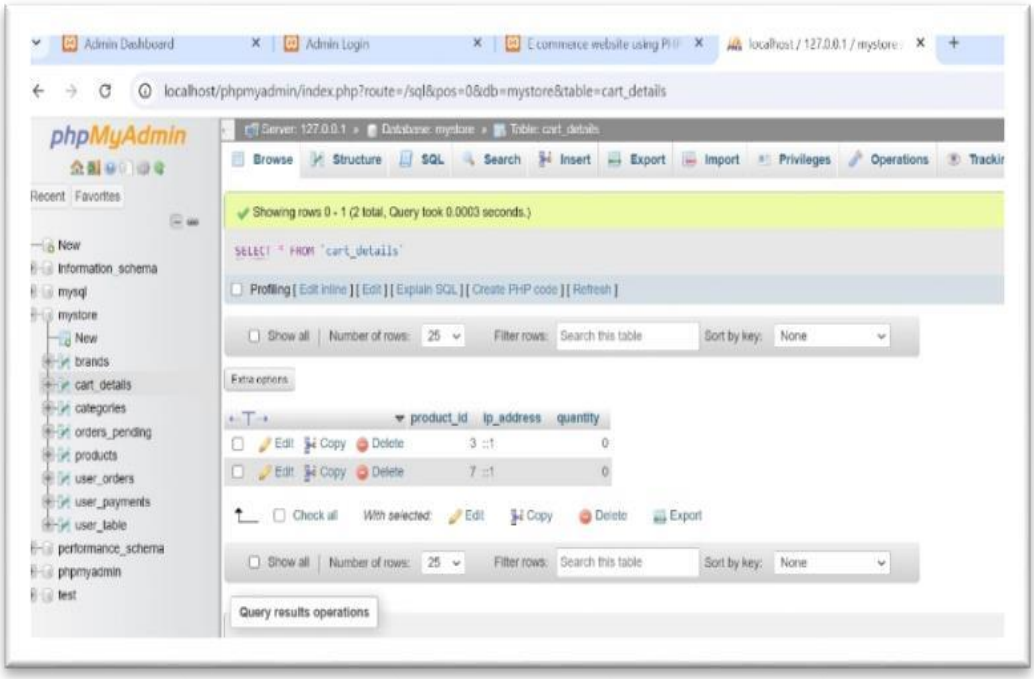
Relational Databases are favored in ecommerce for their structured data organization and robust transactional integrity, which makes them ideal for handling customer and order data. Non-relational (NoSQL) databases offer scalability and flexibility and are suited for varied and evolving ecommerce data.

Database Tables:

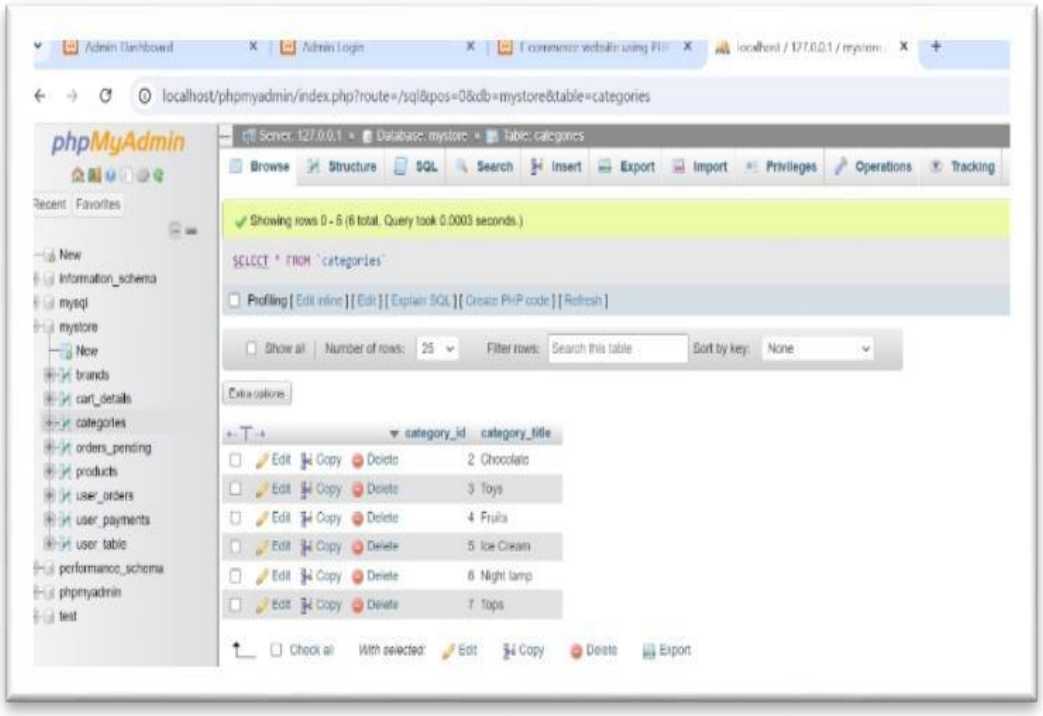
- **Brands table:**



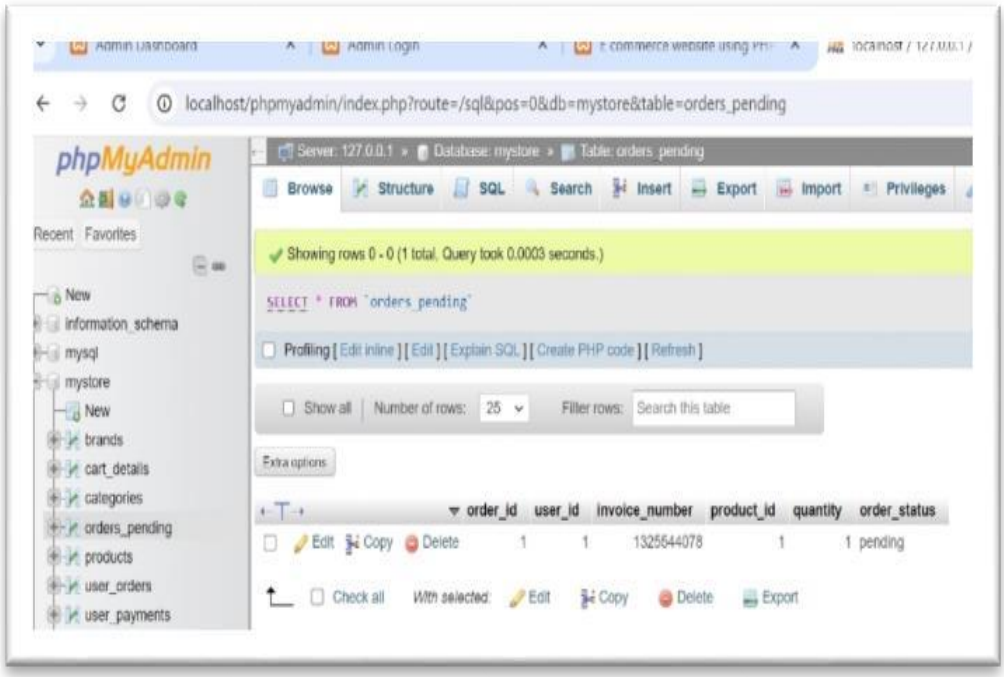
- **Cart details table:**



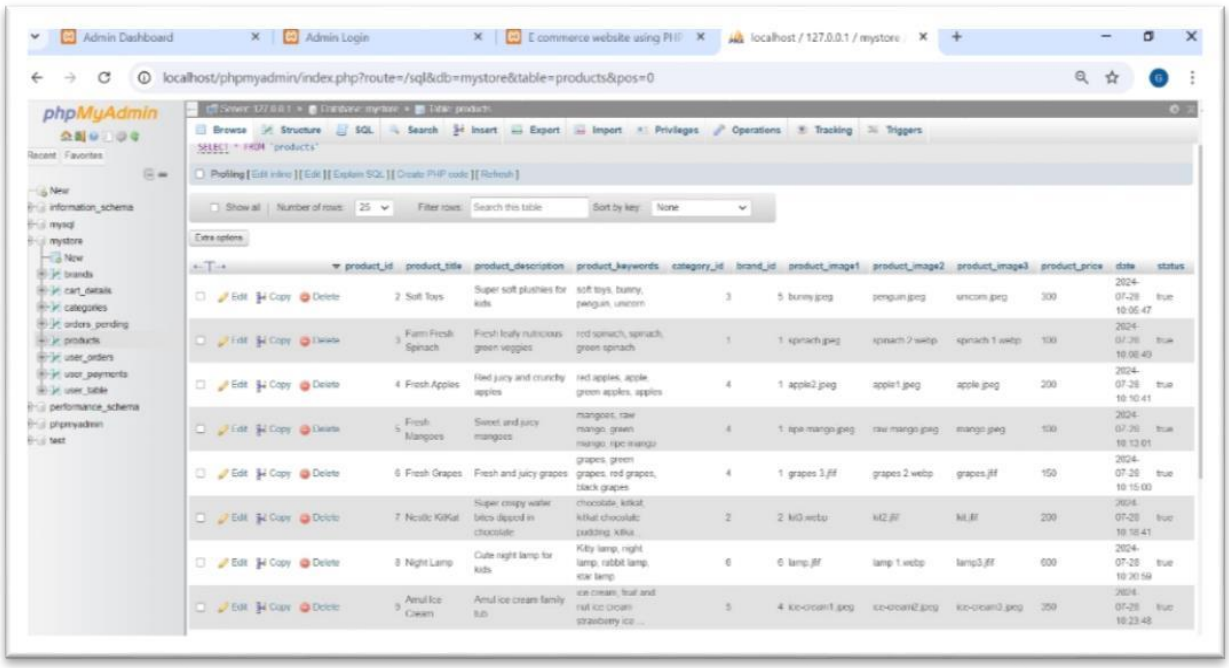
- **Categories table:**



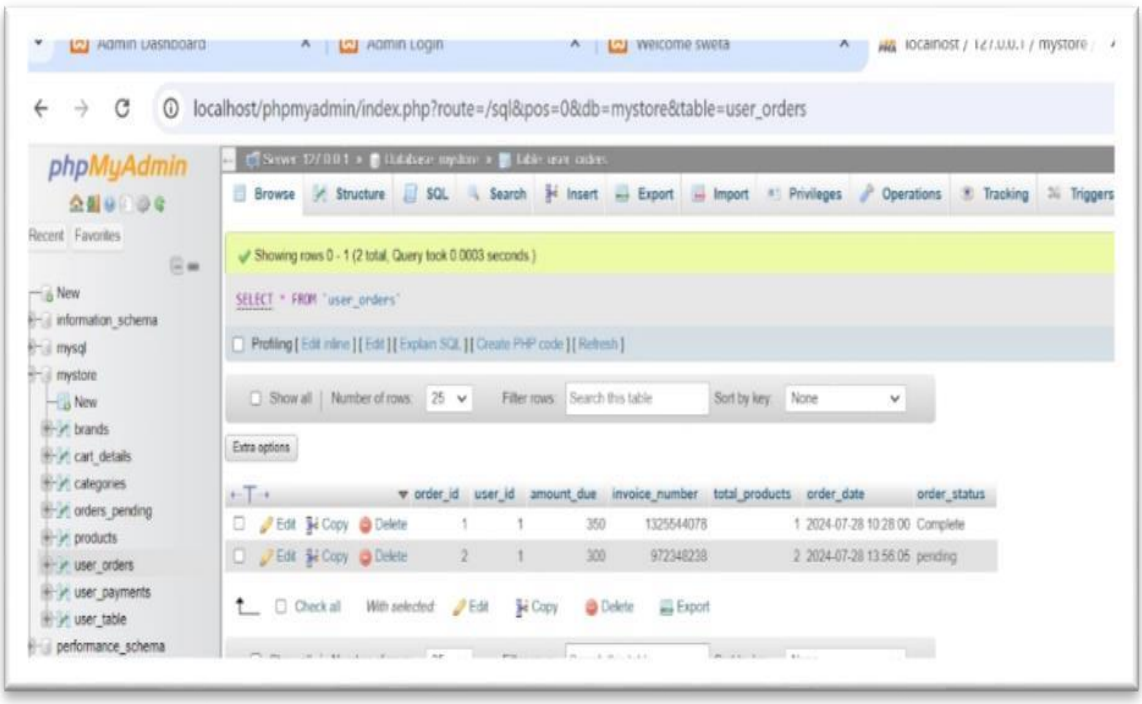
- **Orders_pending table:**



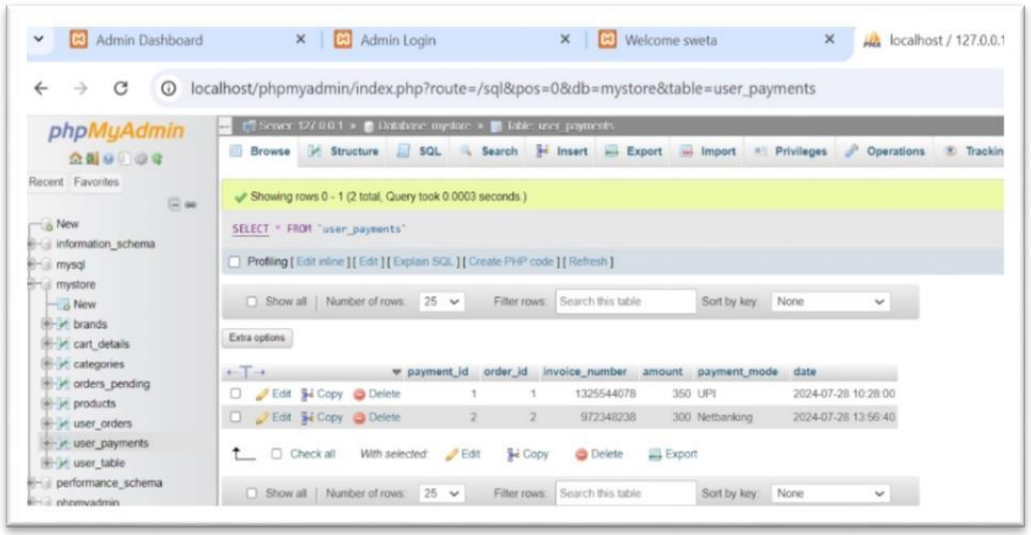
- **Products table:**



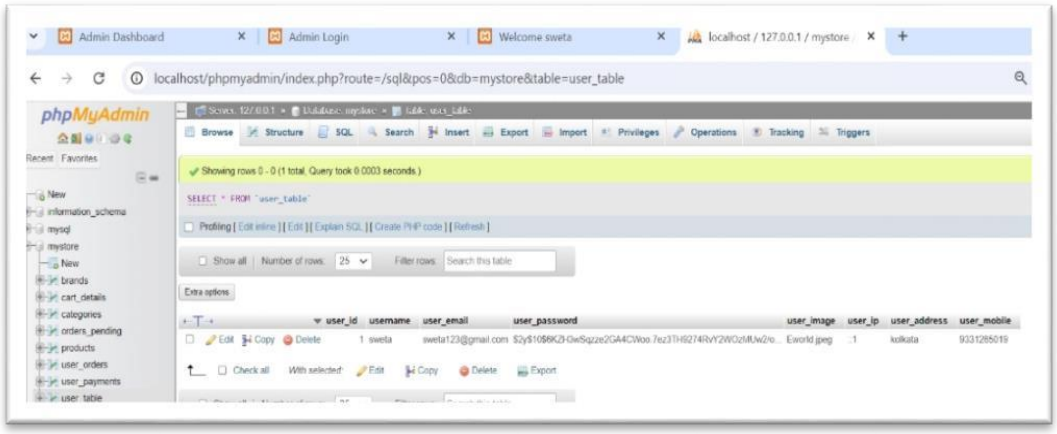
- **User_orders table:**



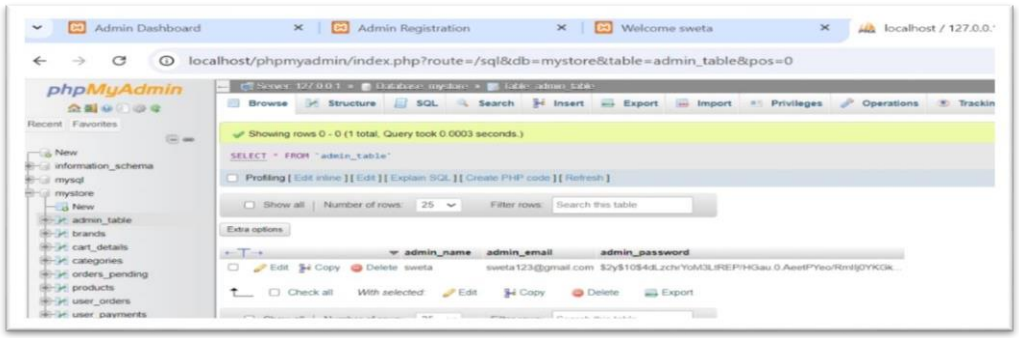
- **User_payments table:**



- **User_table:**



- **Admin_table:**



RESULT AND DISCUSSION

ADVANTAGES:-

- Faster buying process
- Store and product listing creation
- Cost reduction
- Affordable advertising and marketing
- Flexibility for customers
- No reach limitations
- Product and price comparison
- Faster response to buyer/market demands
- Several payment modes
- Enables easy exports

LIMITATIONS:-

- **People's Resistance** One of the main limitations of eCommerce is data security and privacy. In most cases, people are hesitant to provide their personal and financial details in spite of advanced data encryption security systems in place.

- **Lack of Privacy** To some extent, the privacy of a customer is compromised in eCommerce. You need to provide your personal details, such as an address, telephone number and so on to the seller.

- **Product Suitability** As already mentioned, it is not possible for people to physically examine the product in eCommerce. In many cases, the original product may not match the picture or specifications on the eCommerce site. This absence of 'touch and feel' creates a discouraging effect.

- **High Labour Cost** In order to get the whole eCommerce and delivery process right, a specialized workforce is required. To get all these in the right shape, companies have to shed a good amount of money and employ a talented pool of people.

- **Returns and Refunds Management** In eCommerce, returns and refunds are par for the course. While they can't be eliminated, you can manage them to reduce losses. You should implement efficient processes and policies, ensuring customer satisfaction and minimising financial impact. Also, work to identify and address the main reasons for returns.

FUTURE SCOPE

- Provide a detailed structure of the E-Commerce database management system.
- Eco-friendly E-Commerce.
- Stronger security and Privacy measures.
- More personalized subscription models.
- Blockchain for supply chain transparency.

CONCLUSION

E-commerce still represents one of the business methods that take advantage if done the right way, even if the stock market and commodities fell, but E-Commerce still able to survive and receive high transaction. E-commerce has a tremendous opportunity in the course of or business in Malaysia. In addition, it is also to introducing new techniques and styles in a transaction. Use the extensive E-Commerce in the Internet world is actually much better to bring the goodness of the individual or the state. E-Commerce has undeniably become an important part of our society. The successful companies of the future will be those that take ECommerce seriously, dedicating sufficient resources to its development. E-Commerce is not an IT issue but a whole business undertaking. Companies that use it as a reason for completely redesigning their business processes are likely to reap the greatest benefits. Moreover, ECommerce is a helpful technology that gives the consumer access to business and companies all over the world.

REFERENCES:

Books:

- Electronic Commerce: a Managers Guide

  -by Ravi Kalakota

- Frontiers of electronic Commerce

  -by Ravi Kalakota

Website:

https://www.geeksforgeeks.org/e-commerce/ **youtube**

link:

https://youtube.com/playlist?list=PL-h5aNeRKouEaGrQj6EXaqZsagEphQboI&si=iYMVD4MM8Nrza2Gu