

## **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 of 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 we 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)

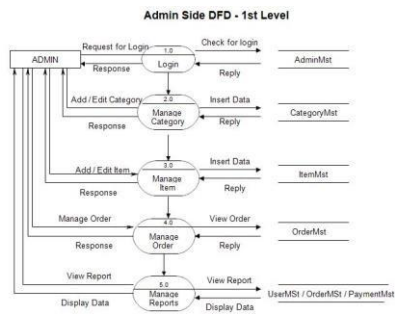
# METHODOLOGY

## DATA FLOW DIAGRAM (DFD):-

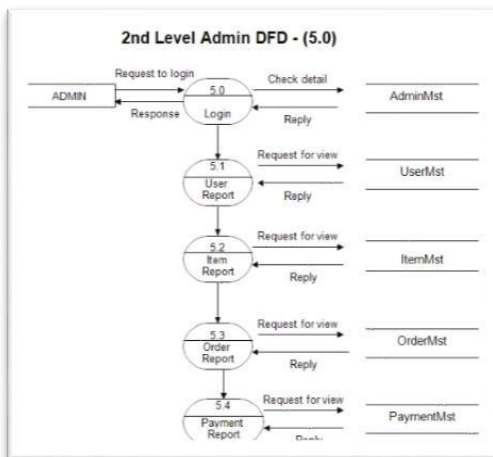
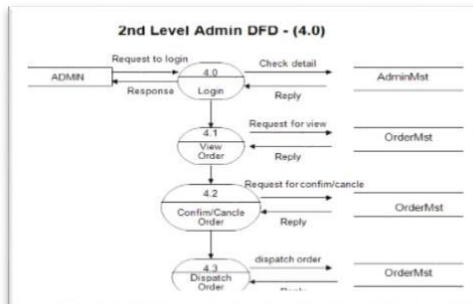
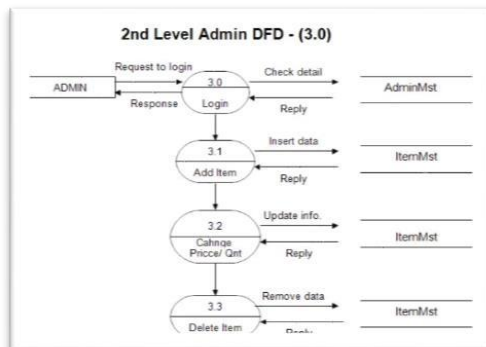
### Level -0 DFD:-



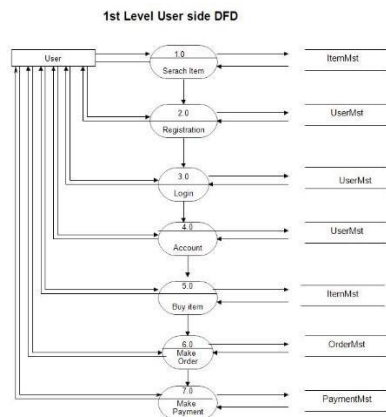
### Level-1 Admin side DFD:-



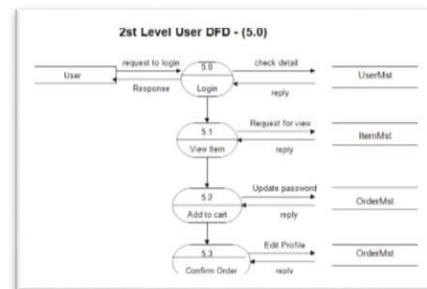
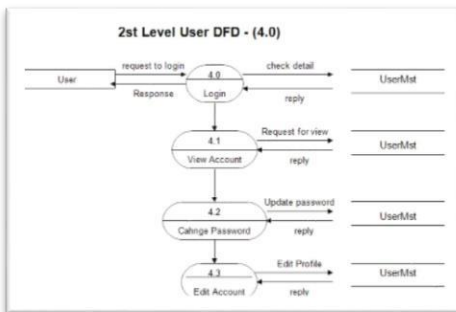
### Level-2 Admin side DFD:-



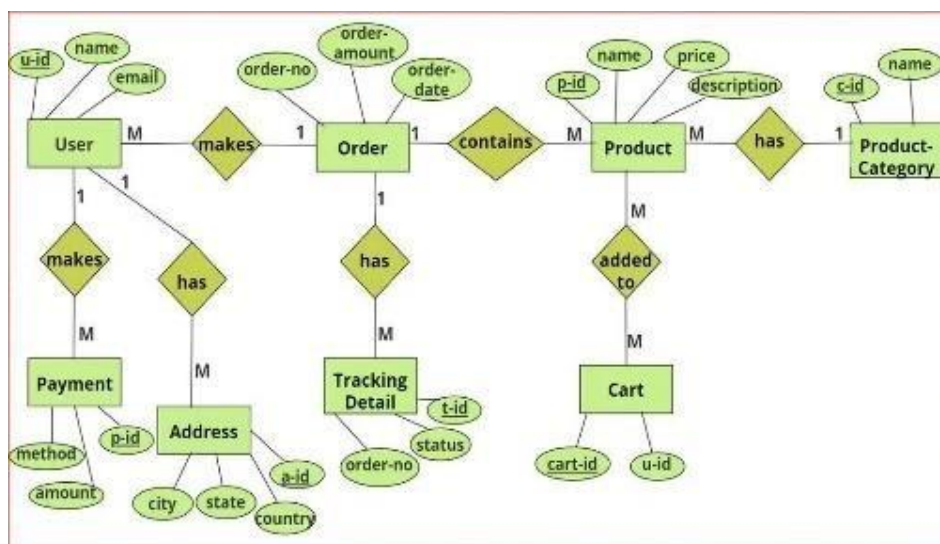
## Level-1 User side DFD:-



## Level-2 User side DFD:-



## ENTITY -RELATIONSHIP DIAGRAM:-





# IMPLEMENTATION

## 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-JZR6Spejh4U02d8j0t6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmY1"
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+fsb2TkcmfRyVX3pBnMFCv7oQPJk19QevSCWr3W6A=="
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">
 <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
    getbrand
    s();
    ?>
    </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
    getcategorie
    s();
    ?>
    </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="sha384-KJ3o2DKtIkvYIK3UEJmM7KCKRr/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-JZR6Spejh4U02d8j0t6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmY1"
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+fsb2TkcmfRyVX3pBnMfCV7oQPJk19QevSCWr3W6A=="
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">

<button class="navbar-toggler" type="button"

```

```

data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent"
aria-controls="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="sha384-KJ3o2DKtIkvYIK3UEENzmM7KcKrR/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>

```

### 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+76PVCmY1"
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">
 <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></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="sha384-KJ3o2DKtIkvYIK3UEJnzMM7KCKRr/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>
```

### **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";
}
?>
```

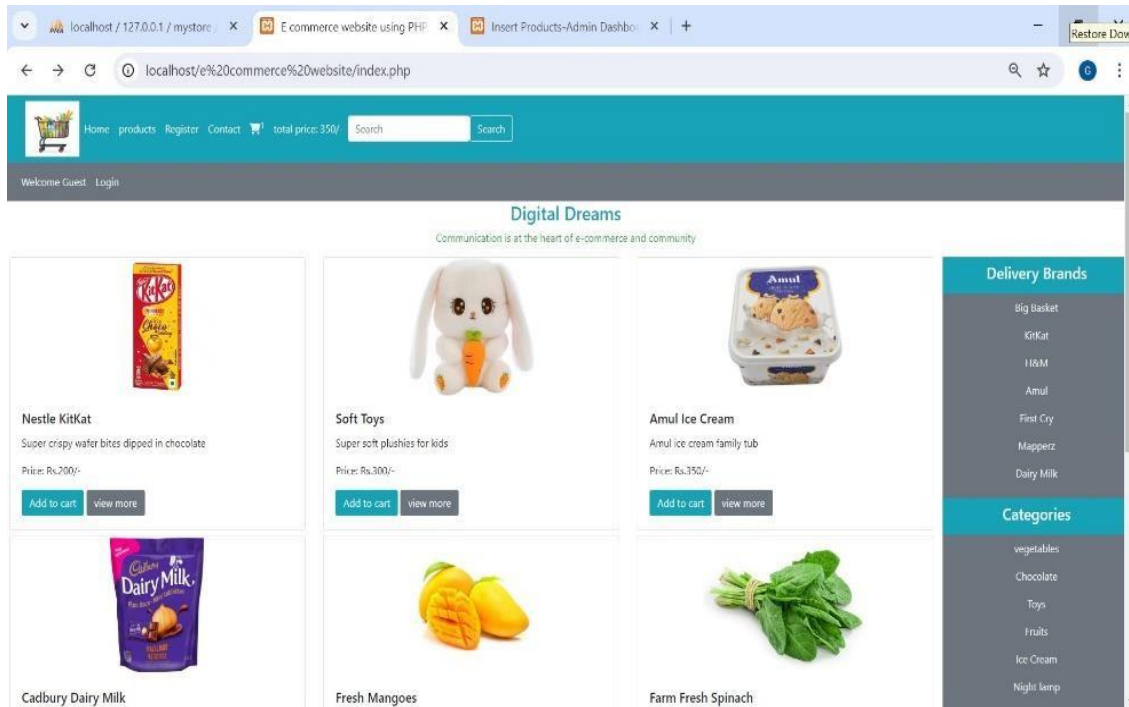
### **style.css:**

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

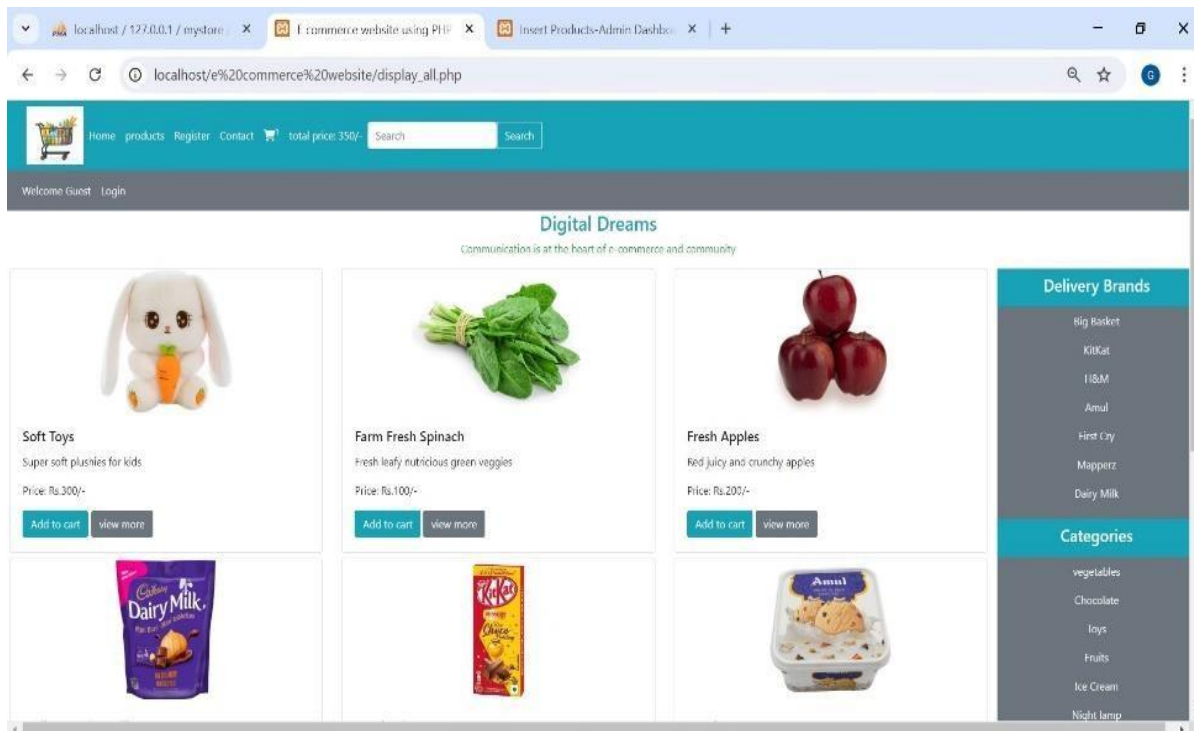
```
/* .admin_image{ width:  
100px; object-fit:  
contain;  
}*/  
.cart_img{  
width: 80px;  
height: 80px;  
}  
.profile_img{ width:  
100%;  
height: 100%;  
}
```

## All Page Outputs:

### Index.php:

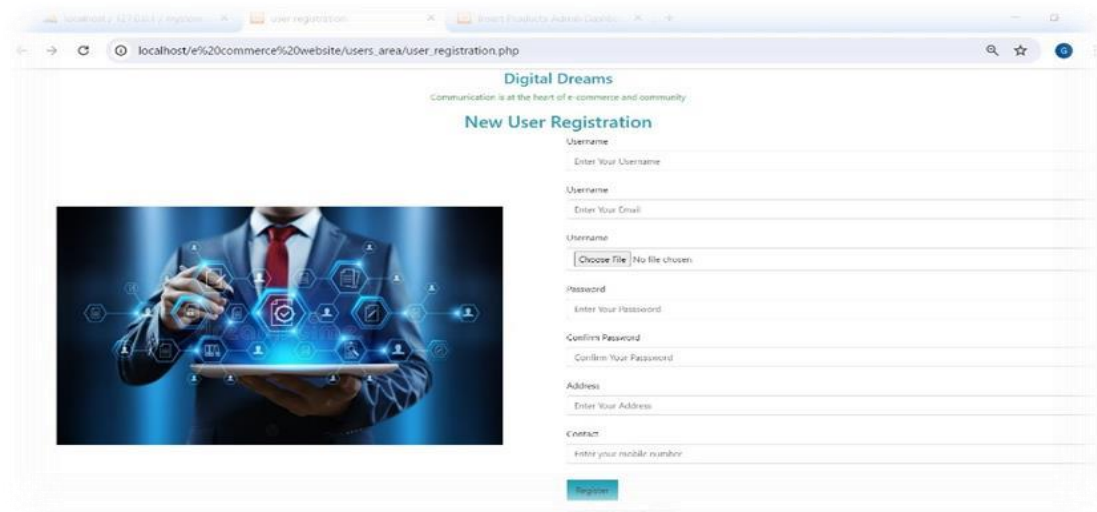


### display\_all.php:





## user\_registration.php:



localhost/127.0.0.1/mysite/ user registration

localhost/e%20commerce%20website/users\_area/user\_registration.php

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### New User Registration

Username  
Enter Your Username

Username  
Enter Your Email

Username  
Choose File No file chosen

Password  
Enter Your Password

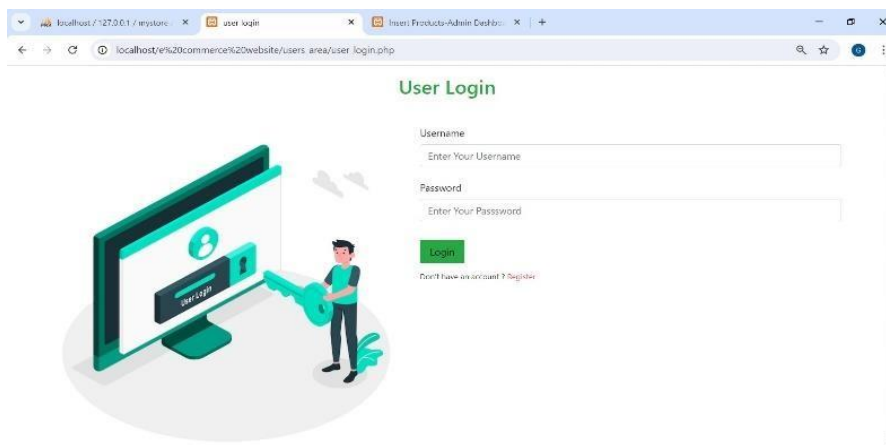
Confirm Password  
Confirm Your Password

Address  
Enter Your Address

Contact  
Enter your mobile number

Register

## user\_login.php:



localhost/127.0.0.1/mysite/ user login

localhost/e%20commerce%20website/users\_area/user\_login.php

### User Login

Username  
Enter Your Username

Password  
Enter Your Password

Login

Don't have an account? Register

## contact.php:



localhost/127.0.0.1/mysite/ Contact Us Form

localhost/e%20commerce%20website/contact.php

### CONTACT US

Username

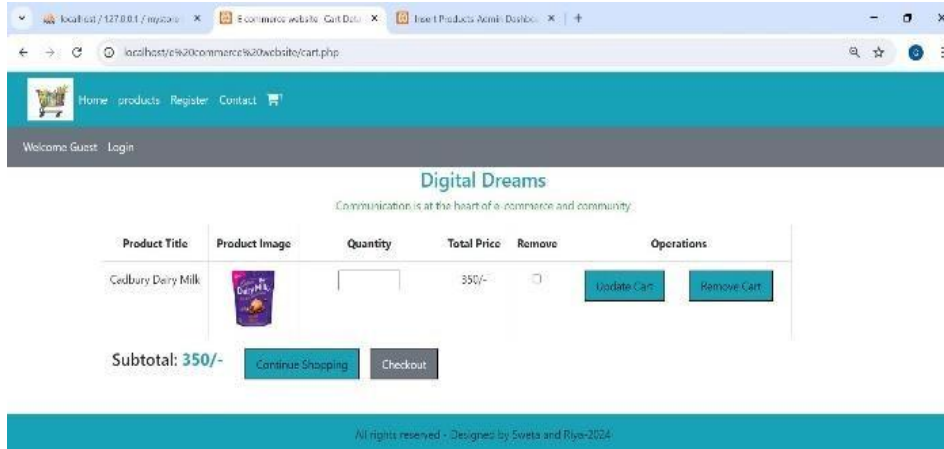
Email

Subject

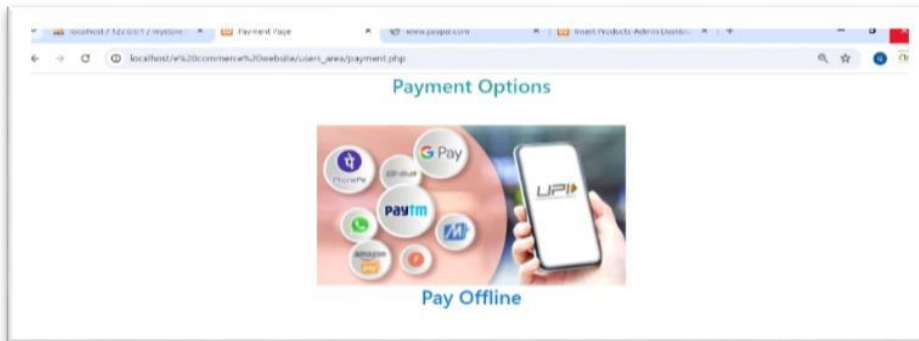
Write The Message

Send

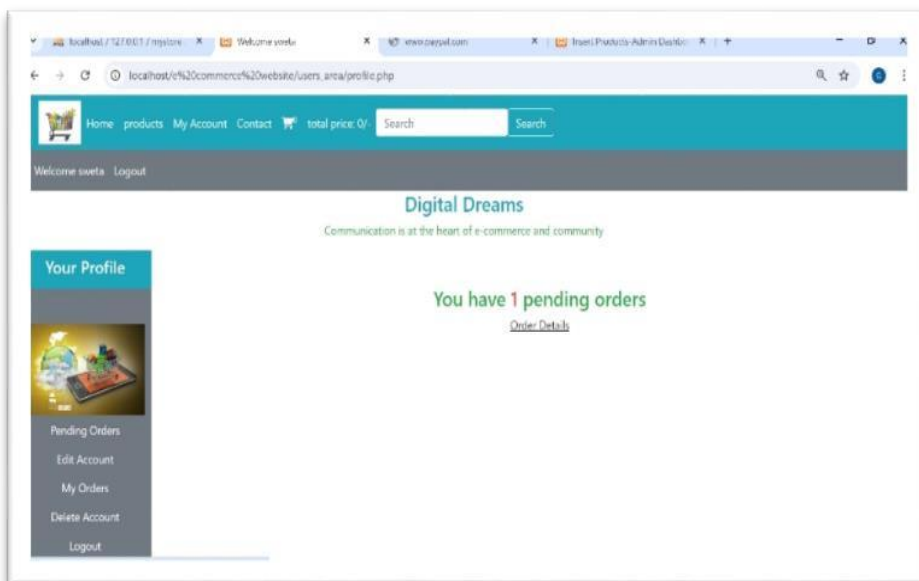
## Cart.php:



## Payment.php:



## Profile.php:



## edit account:

localhost / 127.0.0.1 / mystore x Welcome sweta x www.paypal.com x Insert Products-Admin Dashbo x +

localhost/e%20commerce%20website/users\_area/profile.php/edit\_account

Home products My Account Contact total price: 0/- Search

Welcome sweta Logout

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Your Profile

sweta

sweta123@gmail.com

Choose File No file chosen

lokikate

9331265019

Update

## my orders:

localhost / 127.0.0.1 / mystore x Welcome sweta x www.paypal.com x Insert Products-Admin Dashbo x +

localhost/e%20commerce%20website/users\_area/profile.php/my\_orders

Home products My Account Contact total price: 0/- Search

Welcome sweta Logout

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Your Profile

All my orders

Sl no.	Amount due	Total Products	Invoice number	Date	Complete/Incomplete	Status
1	350	1	1325544078	2024-07-28 10:27:23	Incomplete	Confirm

## Confirm payment:

localhost / 127.0.0.1 / mystore x Payment Page x www.paypal.com x Insert Products-Admin Dashbo x +

localhost/e%20commerce%20website/users\_area/confirm\_payment.php?order\_id=1

Confirm Payment

1325544078

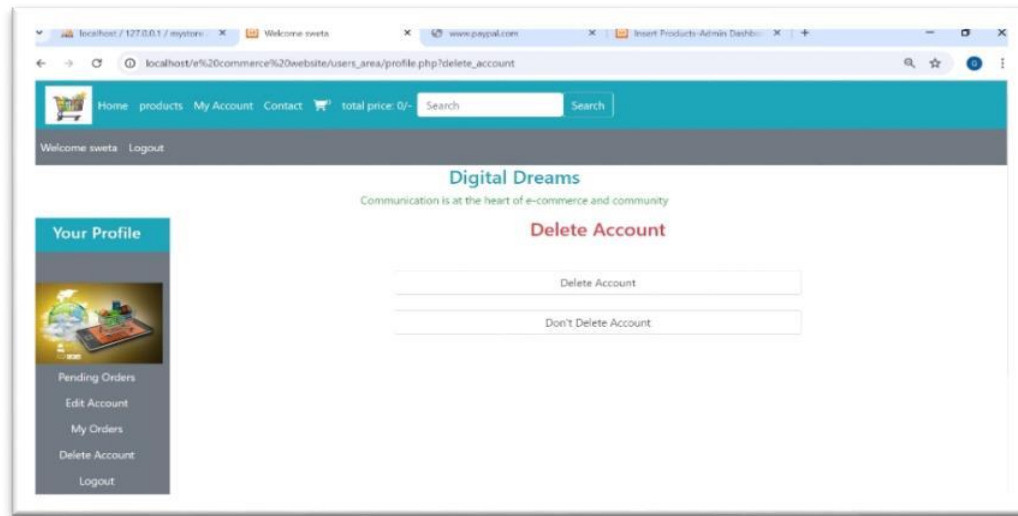
Amount

350

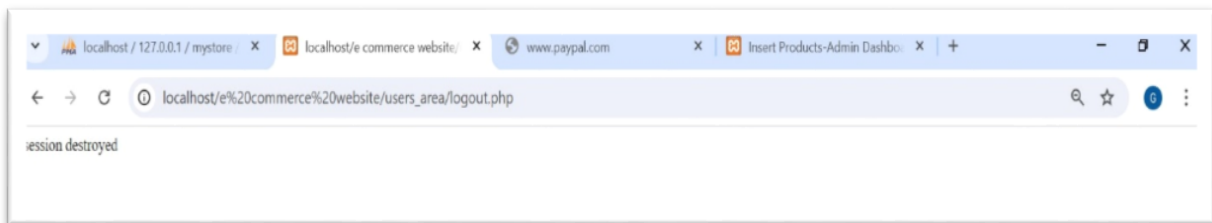
Select Payment Mode

confirm

## delete account:

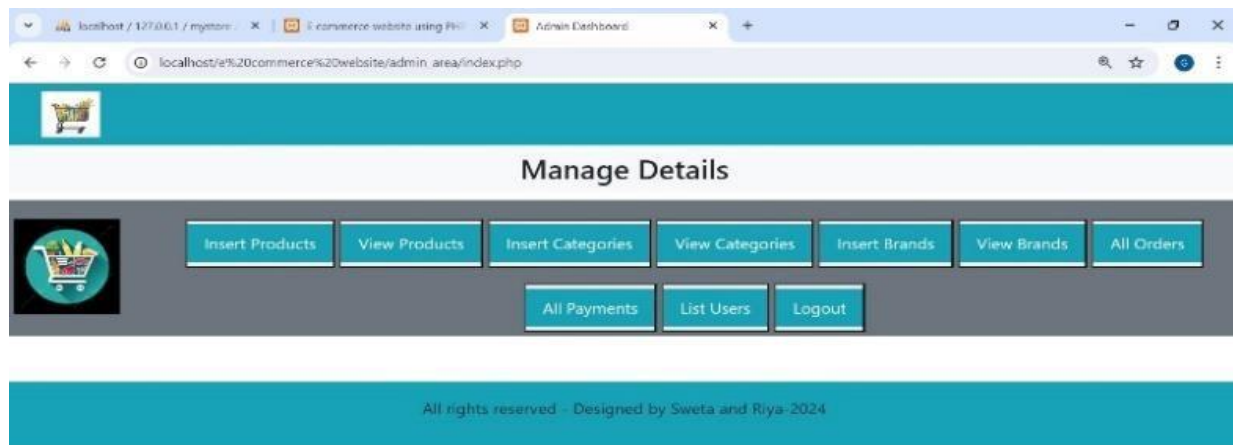


## logout.php:

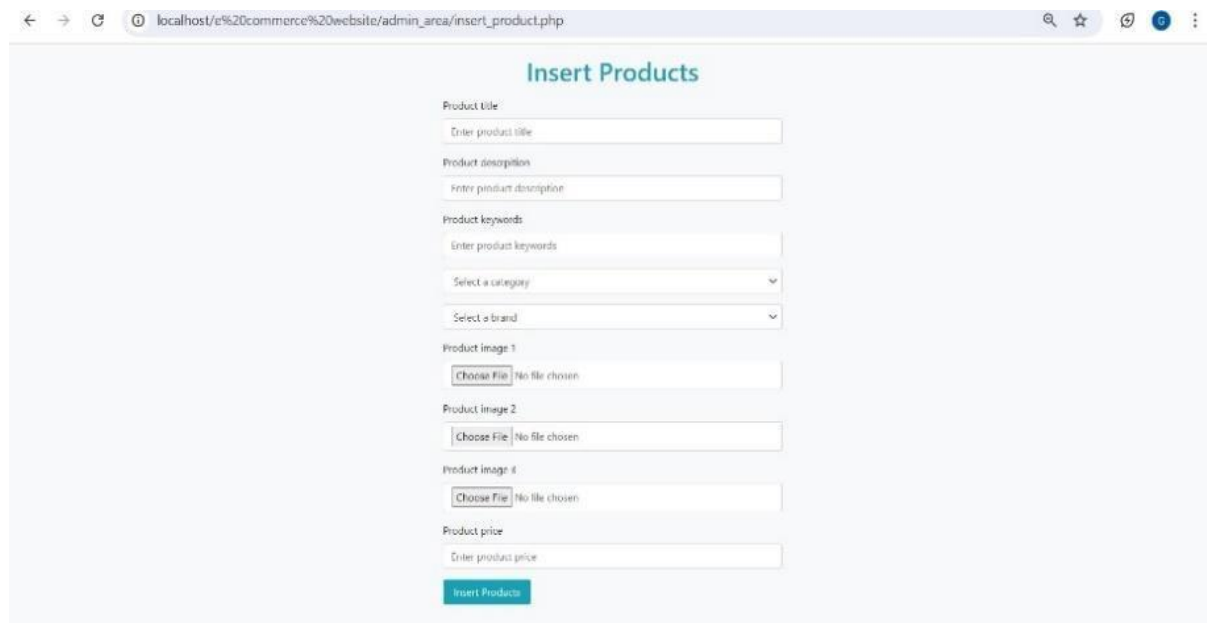


## Admin area outputs:

### Admin-area>Index.php :



## Insert products:

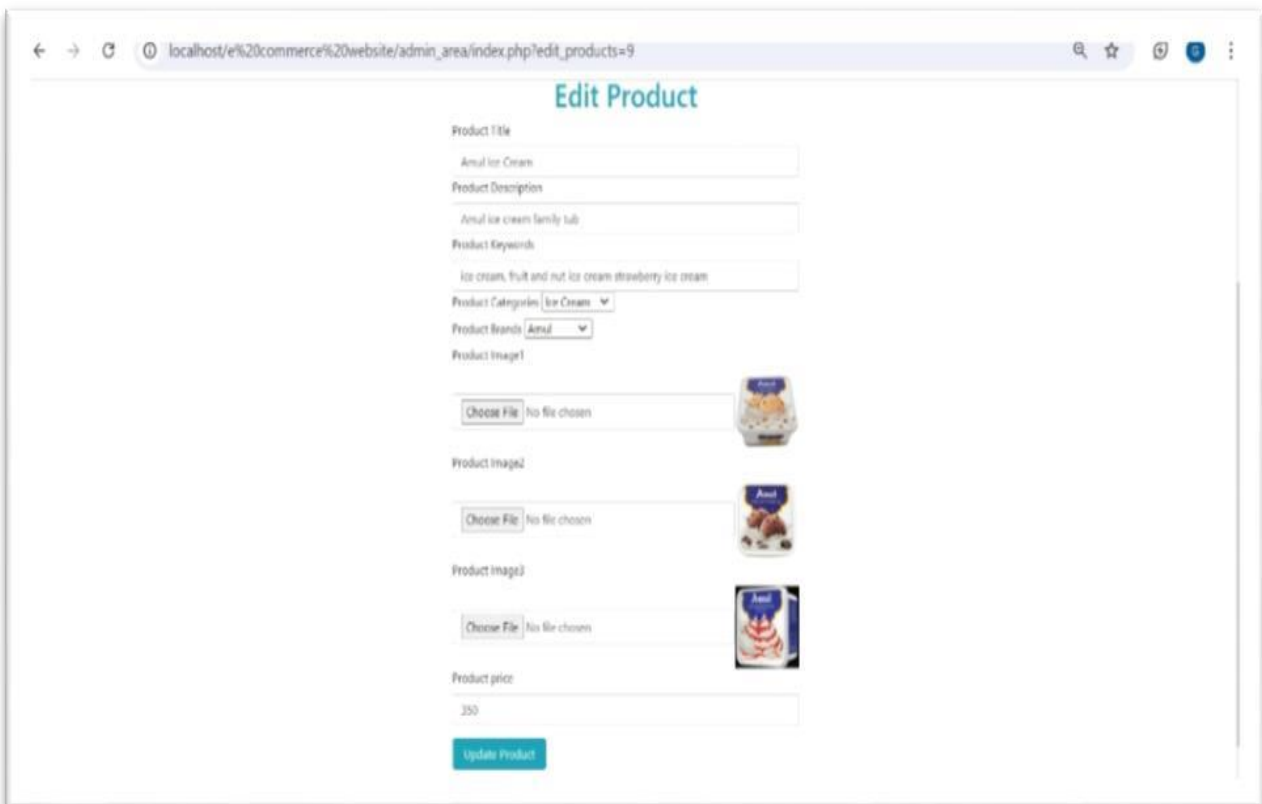


The screenshot shows a web browser window with the address bar displaying `localhost/e%20commerce%20website/admin_area/insert_product.php`. The page title is "Insert Products". The form contains the following fields:




- Product title:
- Product description:
- Product keywords:
- Select a category:
- Select a brand:
- Product image 1:  No file chosen
- Product image 2:  No file chosen
- Product image 3:  No file chosen
- Product price:

At the bottom of the form is a blue button labeled "Insert Products".

## edit products:

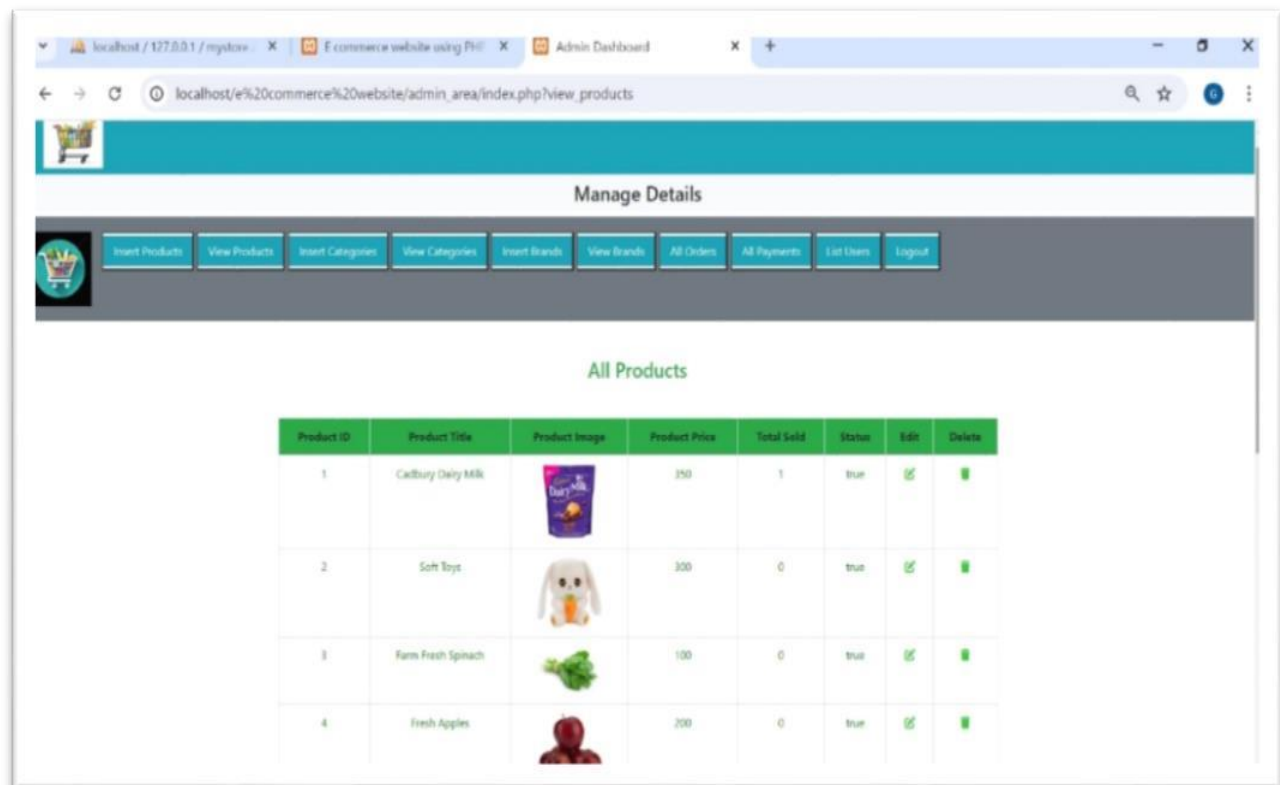


The screenshot shows a web browser window with the address bar displaying `localhost/e%20commerce%20website/admin_area/index.php/edit_products=9`. The page title is "Edit Product". The form contains the following fields:

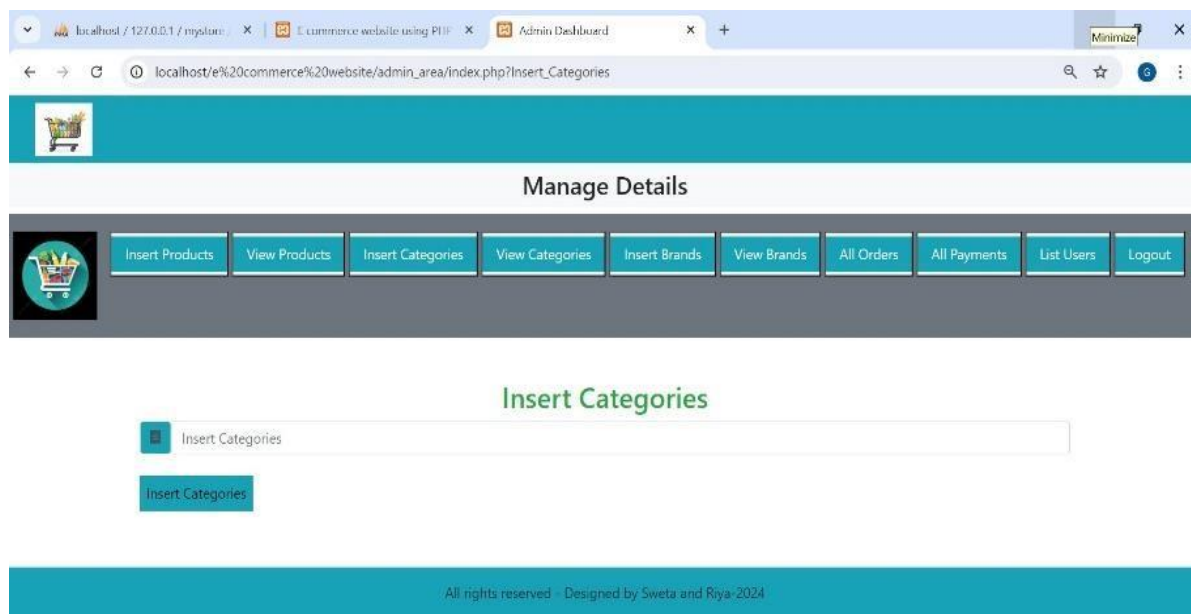
- Product Title:
- Product Description:
- Product Keywords:
- Product Categories:
- Product Brands:
- Product image1:  No file chosen 
- Product image2:  No file chosen 
- Product image3:  No file chosen 
- Product price:

At the bottom of the form is a blue button labeled "Update Product".

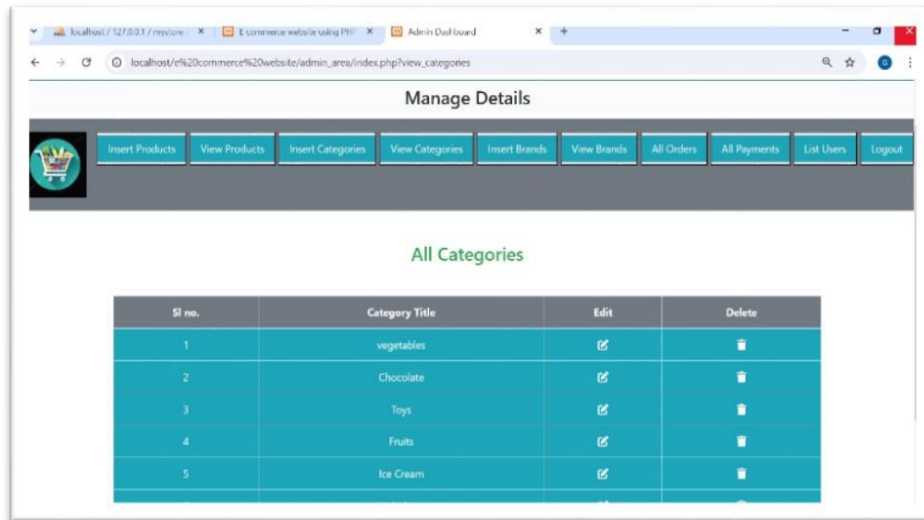
## View products:



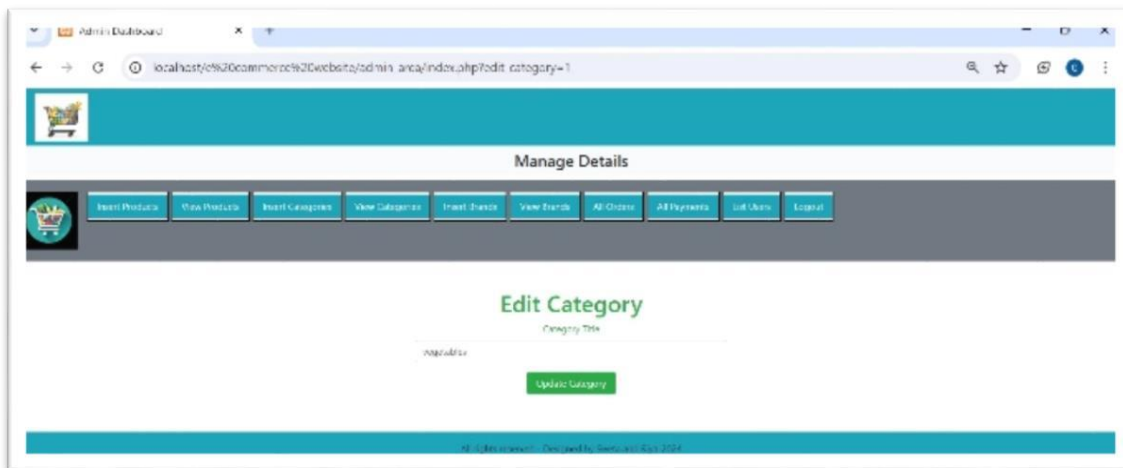
## insert categories:



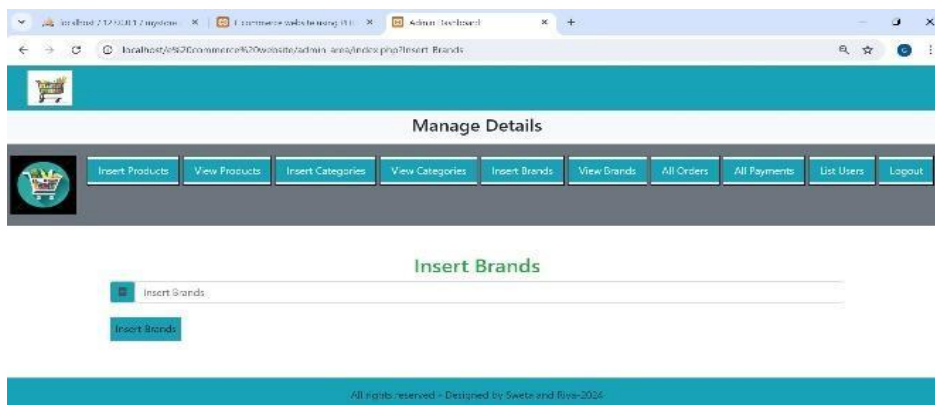
## view categories:



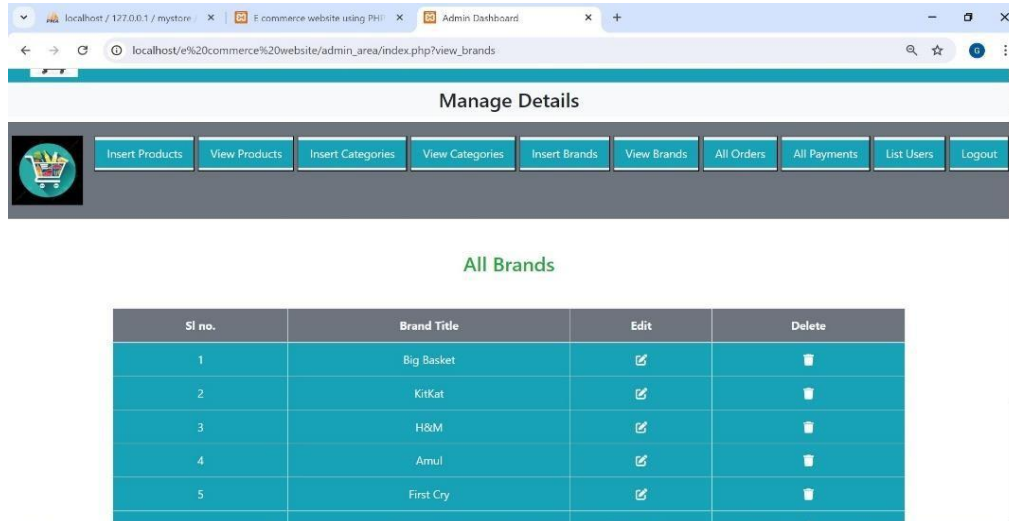
## edit category:



## insert brands:



## view brands:



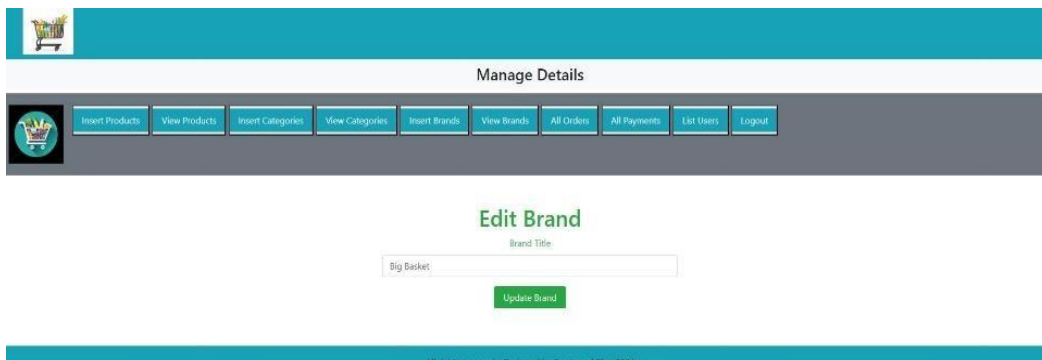
Manage Details

Insert Products View Products Insert Categories View Categories Insert Brands View Brands All Orders All Payments List Users Logout

### All Brands

Sl no.	Brand Title	Edit	Delete
1	Big Basket		
2	KitKat		
3	H&M		
4	Amul		
5	First Cry		

## edit brand:



Manage Details

Insert Products View Products Insert Categories View Categories Insert Brands View Brands All Orders All Payments List Users Logout

### Edit Brand

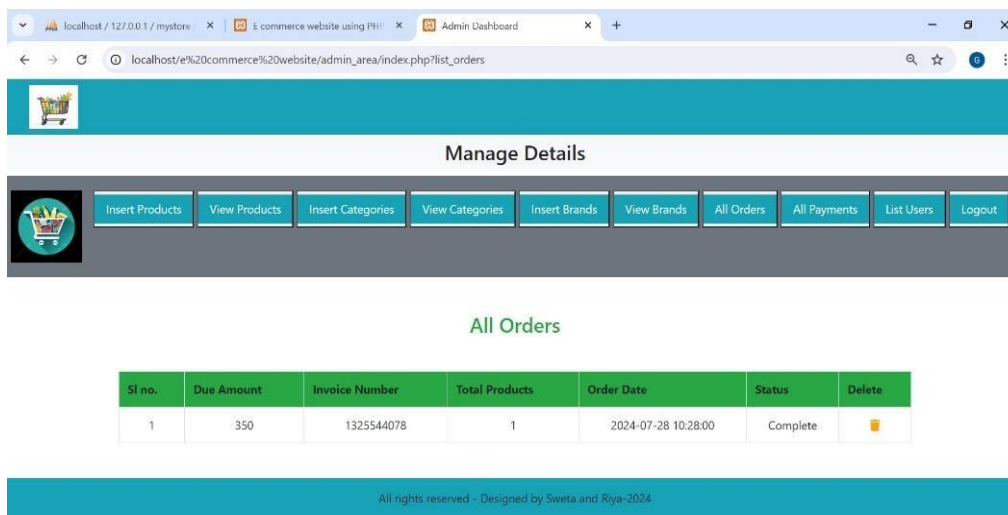
Brand Title

Big Basket

Update Brand

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## all orders:



Manage Details

Insert Products View Products Insert Categories View Categories Insert Brands View Brands All Orders All Payments List Users Logout

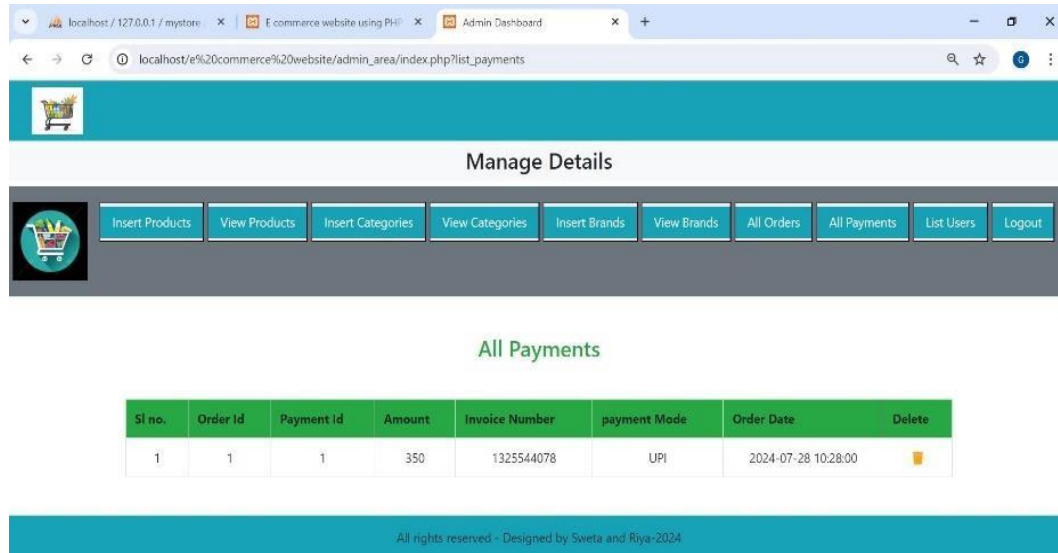
### All Orders

Sl no.	Due Amount	Invoice Number	Total Products	Order Date	Status	Delete
1	350	1325544078	1	2024-07-28 10:28:00	Complete	


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## all payments:

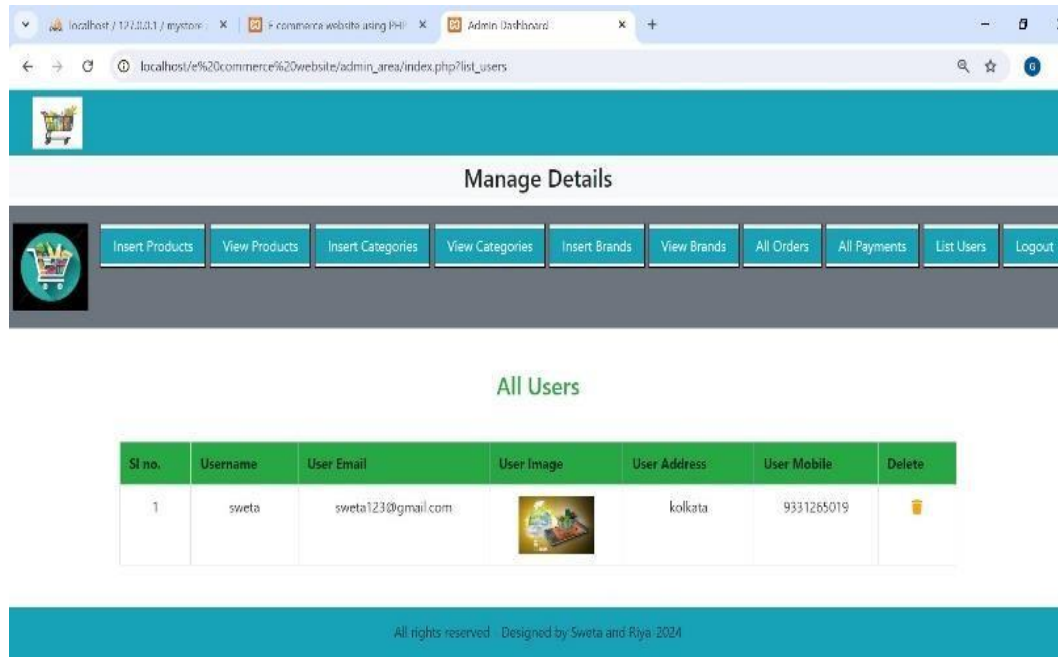


The screenshot shows a web browser with three tabs: 'localhost / 127.0.0.1 / mystore', 'E commerce website using PHP', and 'Admin Dashboard'. The address bar shows 'localhost/e%20commerce%20website/admin\_area/index.php?list\_payments'. The page has a teal header with a shopping cart icon. Below the header is a 'Manage Details' section with a sidebar icon and buttons for 'Insert Products', 'View Products', 'Insert Categories', 'View Categories', 'Insert Brands', 'View Brands', 'All Orders', 'All Payments', 'List Users', and 'Logout'. The 'All Payments' button is highlighted. The main content area is titled 'All Payments' and contains a table with the following data:



Sl no.	Order Id	Payment Id	Amount	Invoice Number	payment Mode	Order Date	Delete
1	1	1	350	1325544078	UPI	2024-07-28 10:28:00	

The footer contains the text 'All rights reserved - Designed by Sweta and Riya-2024'.

## List users:

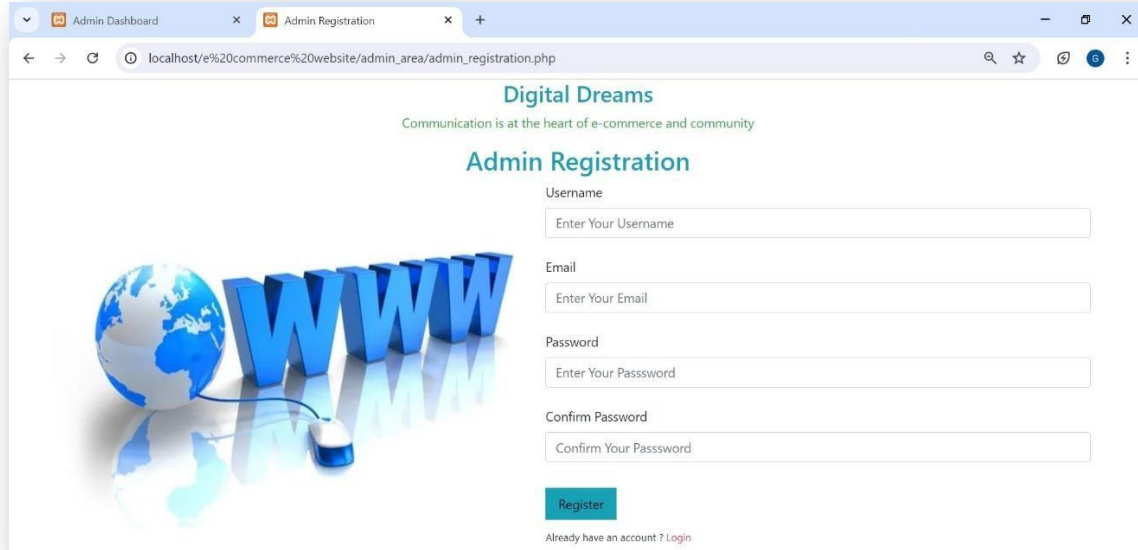


The screenshot shows the same web browser as the previous image, but the address bar now shows 'localhost/e%20commerce%20website/admin\_area/index.php?list\_users'. The 'All Users' button in the 'Manage Details' section is highlighted. The main content area is titled 'All Users' and contains a table with the following data:

Sl no.	Username	User Email	User Image	User Address	User Mobile	Delete
1	sweta	sweta123@gmail.com		kolkata	9331265019	

The footer contains the text 'All rights reserved - Designed by Sweta and Riya-2024'.

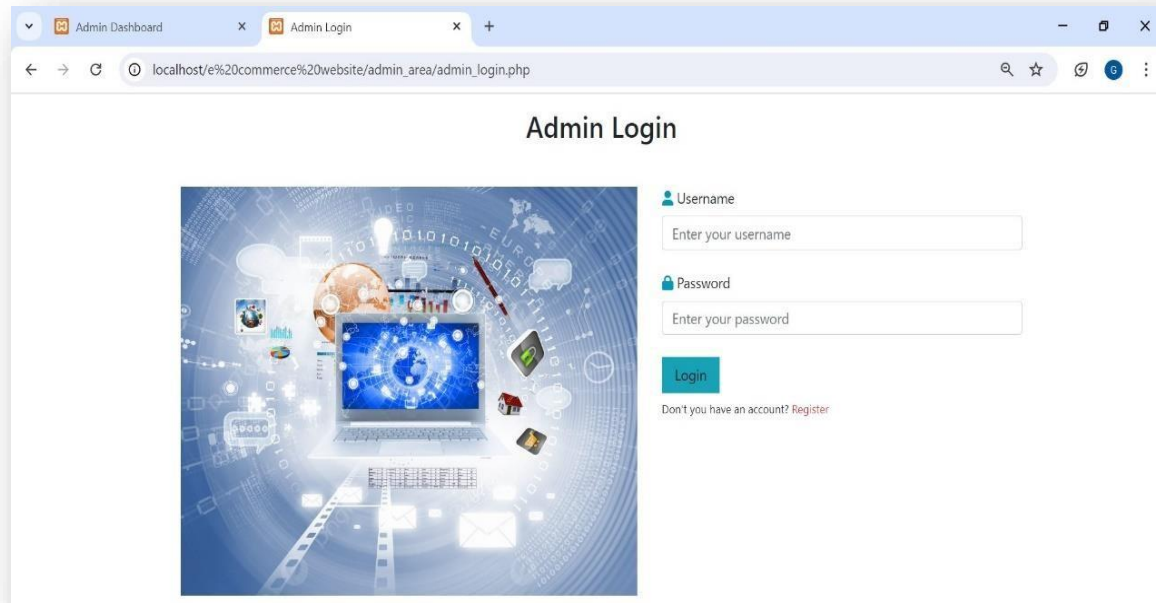
## Admin registration:



The screenshot shows a web browser window with two tabs: 'Admin Dashboard' and 'Admin Registration'. The address bar displays 'localhost/e%20commerce%20website/admin\_area/admin\_registration.php'. The page header includes the text 'Digital Dreams' and 'Communication is at the heart of e-commerce and community'. The main heading is 'Admin Registration'. On the left, there is a 3D graphic of a globe and the letters 'WWW'. The registration form on the right contains the following fields and elements:

- Username:** A text input field with the placeholder 'Enter Your Username'.
- Email:** A text input field with the placeholder 'Enter Your Email'.
- Password:** A text input field with the placeholder 'Enter Your Passsword'.
- Confirm Password:** A text input field with the placeholder 'Confirm Your Password'.
- Register:** A blue button.
- Already have an account ?** A link to the login page.

## Admin login:



The screenshot shows a web browser window with two tabs: 'Admin Dashboard' and 'Admin Login'. The address bar displays 'localhost/e%20commerce%20website/admin\_area/admin\_login.php'. The page header includes the text 'Admin Login'. On the left, there is a 3D graphic of a laptop with a globe on its screen, surrounded by various icons and a binary code background. The login form on the right contains the following fields and elements:

- Username:** A text input field with the placeholder 'Enter your username'.
- Password:** A text input field with the placeholder 'Enter your password'.
- Login:** A blue button.
- Don't you have an account?** A link to the registration page.

## **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:

The screenshot shows the phpMyAdmin interface for the 'brands' table. The table has two columns: 'brand\_id' and 'brand\_title'. The data is as follows:

brand_id	brand_title
1	Big Basket
2	KIRKAT
3	HSM
4	Amul
5	First Cry
6	Mappperz
7	Dairy Milk

### ➤ Cart details table:

The screenshot shows the phpMyAdmin interface for the 'cart\_details' table. The table has three columns: 'product\_id', 'ip\_address', and 'quantity'. The data is as follows:

product_id	ip_address	quantity
3	1	0
7	1	0

➤ Categories table:

The screenshot shows the phpMyAdmin interface for the 'mystore' database. The 'categories' table is selected, and the SQL query 'SELECT \* FROM `categories`' is displayed. The table contains 6 rows. The left sidebar shows the database structure, and the top navigation bar includes options like Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, and Tracking.

category_id	category_title
2	Chocolate
3	Toys
4	Fruits
5	Ice Cream
6	Night lamp
7	Tops

➤ Orders pending table:

The screenshot shows the phpMyAdmin interface for the 'mystore' database. The 'orders\_pending' table is selected, and the SQL query 'SELECT \* FROM `orders\_pending`' is displayed. The table contains 1 row. The left sidebar shows the database structure, and the top navigation bar includes options like Browse, Structure, SQL, Search, Insert, Export, Import, Privileges, Operations, and Tracking.

order_id	user_id	invoice_number	product_id	quantity	order_status
1	1	1325544078	1	1	pending

## ➤ Products table:

The screenshot shows the phpMyAdmin interface for the 'mystore' database. The 'products' table is selected, and its structure and data are displayed. The table has columns: product\_id, product\_title, product\_description, product\_keywords, category\_id, brand\_id, product\_image1, product\_image2, product\_image3, product\_price, date, and status.

product_id	product_title	product_description	product_keywords	category_id	brand_id	product_image1	product_image2	product_image3	product_price	date	status
2	Soft Toys	Super soft plushies for kids	soft toys, bunny, penguin, unicorn	3	5	bunny.png	penguin.png	unicorn.png	300	2024-07-28 10:05:47	true
3	Farm Fresh Spinach	Fresh baby nutritious green veggies	red spinach, spinach, green spinach	1	1	spinach.png	spinach 2.webp	spinach 1.webp	100	2024-07-28 10:06:49	true
4	Fresh Apples	Red juicy and crunchy apples	red apples, apple, green apples, apples	4	1	apple2.png	apple1.png	apple.png	200	2024-07-28 10:10:41	true
5	Fresh Mangoes	Sweet and juicy mangoes	mangoes, raw mango, green mango, ripe mango, green mango	4	1	ipa-mango.png	raw-mango.png	mango.png	100	2024-07-28 10:13:01	true
6	Fresh Grapes	Fresh and juicy grapes	grapes, green grapes, red grapes, black grapes	4	1	grapes 1.jpg	grapes 2.webp	grapes.jpg	150	2024-07-28 10:15:00	true
7	Nestle KitKat	Super crispy water bites dipped in chocolate	chocolate, kitkat, kitkat chocolate, pudding, xfla	2	2	k40.webp	k42.jpg	k41.jpg	200	2024-07-28 10:16:41	true
8	Night Lamp	Cute night lamp for kids	Kitty lamp, night lamp, rabbit lamp, star lamp	6	6	lamp.jpg	lamp 1.webp	lamp3.jpg	600	2024-07-28 10:20:59	true
9	Amul Ice Cream	Amul ice cream family tub	ice cream, fruit and nut ice cream, strawberry ice...	5	4	ice-cream1.png	ice-cream2.png	ice-cream3.png	350	2024-07-28 10:23:48	true

## ➤ User orders table:

The screenshot shows the phpMyAdmin interface for the 'mystore' database. The 'user\_orders' table is selected, and its data is displayed. The table has columns: order\_id, user\_id, amount\_due, invoice\_number, total\_products, order\_date, and order\_status.

order_id	user_id	amount_due	invoice_number	total_products	order_date	order_status
1	1	350	1325544078	1	2024-07-28 10:28:00	Complete
2	1	300	9723482238	2	2024-07-28 13:56:05	pending



➤ User payments table:

The screenshot shows the phpMyAdmin interface for the 'mystore' database. The 'user\_payments' table is selected. The table structure is as follows:

payment_id	order_id	invoice_number	amount	payment_mode	date
1	1	1325544078	350	UPI	2024-07-28 10:28:00
2	2	972348238	300	Netbanking	2024-07-28 13:56:40

➤ User table:

The screenshot shows the phpMyAdmin interface for the 'mystore' database. The 'user\_table' is selected. The table structure is as follows:

user_id	username	user_email	user_password	user_image	user_ip	user_address	user_mobile
1	sweta	sweta123@gmail.com	\$2y\$10\$K9D0e5gZac2GA4CWo57ez3Th6274Ry2W0zMUw2e...	swet1.jpg	...	kolkata	9331285019

➤ Admin table:

The screenshot shows the phpMyAdmin interface for the 'mystore' database. The 'admin\_table' is selected. The table structure is as follows:

admin_name	admin_email	admin_password
sweta	sweta123@gmail.com	\$2y\$10\$4dLzchV0aM3LREPH4Gau0AeefPReoRm1g0YK0k...

## 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:**

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### **link:**

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