

# **PHP INTERNSHIP REPORT**

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# 1. PHP Crash Course

## ➤ index.php:

- This is file simply print a hello world message on web browser.

```
index.php M x
akashdemo > index.php
1  <?php
2  echo "Hello World!";
3  ?>
```

## ➤ variabledemo.php:

- This is file simply we declare the variable and assign the value.

```
variable.php x
akashdemo > variable.php > ...
1  <?php
2
3  $a = 10;
4  $b = 20;
5
6  //Method One
7  echo "<br/>Value of A is: ".$a;
8  echo "<br/>Value of B is: ".$b;
9
10 //Method two
11 echo "<br/>Value of A is: ".$a."<br/>Value of B is: ".$b;
12
13 //Method Three
14 echo "<br/>Value of A is: $a <br/> Values of B is:$b";
15
16 //Method Four
17 echo "<br/>Value of A is: $a <br/> Values of B is:$b'";
18
19
20 ?>
```

## ➤ Ifdemo.php:

- This is file we declare condition if condition satisfied then statement will execute.

```
ifdemo.php x
akashdemo > ifdemo.php > ...
1  <?php
2  $a = 10;
3
4  if($a==10)
5  {
6      echo "Value of A is: ".$a;
7  }
8  ?>
```

### ➤ Loopdemo.php:

- This is file we use looping statement that is use to print a statement repeatedly while condition goes true.

```
loopdemo.php ×
akashdemo > loopdemo.php > ...
1 <?php
2
3 echo"<table border='1'>";
4 for ($i=0;$i<=10000;$i++)
5 {
6     echo"<tr>";
7     if($i%2==0)
8     {
9         echo"<td bgcolor='red'>$i</td>";
10    }
11    else
12    {
13        echo"<td bgcolor='yellow'>$i</td>";
14    }
15    echo"<tr>";
16 }
17 echo"</table>";
18 ?>
```

### ➤ Formdemo.php:

- This is file we use html form within php file that is use to get data from users.

```
form.php M × form1demo.php M ×
akashdemo > form1demo.php > html > body > form
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <title>Form Demo</title>
5 </head>
6 <body>
7     <form action="dbdemo.php" method="post">
8         Enter Name:
9         <input type="text" name="nm">
10        <br>
11        Enter Mobile No:
12        <input type="text" name="mo" maxlength="10">
13        <br>
14        Enter Gender:
15        <select name="gender">
16            <option>Male</option>
17            <option>Female</option>
18        </select>
19        <br>
20        <input type="submit" value="send">
21    </form>
22 </body>
23 </html>
```

### ➤ dbdemo.php:

- This is file we connect to the database to store data that comes from formdemo.php file.

```
dbdemo.php M ×
akashdemo > dbdemo.php > ...
1 <?php
2 $name=$_POST['nm'];
3 $mobile=$_POST['mo'];
4 $gender=$_POST['gender'];
5
6 $con = mysqli_connect("localhost","root","","aptutorials");
7 $query = mysqli_query($con,"INSERT INTO `student` (`id`,`name`,`mobile`,`gender`) VALUES (NULL, '$name', '$mobile', '$gender')"); or die("Error".mysqli_error($con));
8
9 if($query)
10 {
11     echo"<script>alert('record Insertd Successfully');</script>";
12     echo"<script>>window.location='form1demo.php';</script>";
13 }
14 ?>
```

# Output

➤ Index page:

Hello World!

➤ Variable page:

Value of A is:10  
Value of B is:20  
Value of A is:10  
Value of B is:20  
Value of A is: 10  
Values of B is:20  
Value of A is: \$a  
Values of B is:\$b

➤ Ifdemo page:

Value of A is:10

➤ Loopdemo page:

0
1
2
3
4
5
6
7
8
9
10

➤ Form page:

Enter Name:

Enter Mobile No:

Enter Gender:  ▼

## 2. Crud Operation for Employee Table

### ➤ Add employee.php:

- Add new records to the employee table. This involves inserting a new row with the relevant employee information into the table.

```
db_demo > add-employee.php M X
1  <?php
2  include "dbconnect.php";
3  if ($_POST) {
4      $name = $_POST['emp_name'];
5      $gender = $_POST['emp_gender'];
6      $mobile = $_POST['emp_mobile'];
7      $q = mysqli_query($con, "INSERT INTO employee(emp_name, emp_gender, emp_mobile) VALUES ('$name','$gender','$mobile')");
8
9      if ($q) {
10         echo "<script type='text/javascript'>alert('Record Added');window.location='display-employee.php';</script>";
11     }
12 }
13 ?>
```

### ➤ Edit employee.php:

- Modify existing records in the employee table. This involves updating the values of one or more columns in a specific row based on certain conditions.

```
db_demo > edit-employee.php X
1  <?php
2  include "dbconnect.php";
3  $eid = $_GET['id'];
4  if (isset($_GET['id'])) {
5      header('Location:display-employee.php');
6  }
7  $select = mysqli_query($con, "SELECT * FROM employee WHERE emp_id = '$eid'");
8  $row = mysqli_fetch_array($select);
9  if ($_POST) {
10     $name = $_POST['emp_name'];
11     $gender = $_POST['emp_gender'];
12     $mobile = $_POST['emp_mobile'];
13     $q = mysqli_query($con, "UPDATE employee SET emp_name='$name', emp_gender='$gender', emp_mobile='$mobile' WHERE emp_id='$eid'");
14
15     if ($q) {
16         echo "<script type='text/javascript'>alert('Record Updated');window.location='display-employee.php';</script>";
17     }
18 }
19 ?>
```

### ➤ Delete employee.php:

- Remove records from the employee table. This file deleting one or more rows from the table based on certain conditions.

```
1  <?php
2  include "dbconnect.php";
3  if (isset($_GET['id'])) {
4      $emp_id = $_GET['id'];
5      $query = mysqli_query($con, "DELETE FROM employee WHERE emp_id='$emp_id'");
6      if ($query) {
7          echo "<script type='text/javascript'>alert('Record deleted');window.location='display-employee.php';</script>";
8      }
9  }
10 ?>
```

# Output

## ➤ Add employee Page:

Name:

Gender:

Mobile:

## ➤ Edit employee Page:

Name:

Gender:

Mobile:

## ➤ Display, Delete and Edit employee Page:

[Add Employee](#)

NO.	Name	Gender	Mobile	Action
1	sohil	male	7383063130	<a href="#">Delete</a> <a href="#">Edit</a>

### 3. Bootstrap Admin template, Crud Operation for product Table

#### ➤ Add product.php:

- Designing a form within the admin template to input product details.
- Processing the form submission to add a new product record to the database.

```
add_product.php ×
admin_demo > add_product.php > ...
1  <?php
2  include "include/dbconnect.php";
3  if ($_POST) {
4      $p_name = $_POST['p_name'];
5      $p_price = $_POST['p_price'];
6      $p_detail = $_POST['p_detail'];
7      $q = mysqli_query($con, "INSERT INTO product(p_name, p_price, p_detail) VALUES ('$p_name','$p_price','$p_detail')");
8
9      if ($q) {
10         echo "<script type='text/javascript'>alert('Record Added');window.location='view_product.php';</script>";
11     }
12 }
13 ?>
```

#### ➤ Edit product.php:

- We create editable form in the admin template to modify product details.
- Then we get existing data which we want to alter
- Then we update existing data into form submission to update the corresponding product record in the database.

```
edit_product.php ×
admin_demo > edit_product.php > ...
1  <?php
2  include "include/dbconnect.php";
3  $p_id = $_GET['p_id'];
4  if (!isset($_GET['p_id'])) {
5      header('Location:view_product.php');
6  }
7  $select = mysqli_query($con, "SELECT * FROM product WHERE p_id = '$p_id'");
8  $row = mysqli_fetch_array($select);
9  if ($_POST) {
10     $p_name = $_POST['p_name'];
11     $p_price = $_POST['p_price'];
12     $p_detail = $_POST['p_detail'];
13     $q = mysqli_query($con, "UPDATE product SET p_name='$p_name', p_price='$p_price', p_detail='$p_detail' WHERE p_id='$p_id'");
14
15     if ($q) {
16         echo "<script type='text/javascript'>alert('Record Updated');window.location='view_product.php';</script>";
17     }
18 }
19 ?>
```



➤ **Delete product.php:**

- Processing the deletion request to remove the selected product(s) from the database.

```
view_product.php ×
admin_demo > view_product.php > ...
1  <?php
2  include "include/dbconnect.php";
3  if (isset($_GET['p_id'])) {
4      $p_id = $_GET['p_id'];
5      $query = mysqli_query($con, "DELETE FROM product WHERE p_id='$p_id'");
6      if ($query) {
7          echo "<script type='text/javascript'>alert('Record deleted');window.location='view_product.php';</script>";
8      }
9  }
10 ?>
```

# Output

## ➤ Add product Page:

The screenshot shows a web browser window with the URL `localhost/internship/admin_demo/add_product.php`. The page title is "Modernize Free". On the left, there is a sidebar with a "HOME" section containing links for "Dashboard", "Add Product", and "View Product". The "Add Product" link is highlighted. The main content area is titled "Add Product" and contains a form with three input fields: "Product Name", "Product Price", and "Product Detail". Below the form are three buttons: "Submit", "Reset", and "View Product".

## ➤ Edit product Page:

The screenshot shows a web browser window with the URL `localhost/internship/admin_demo/edit_product.php?id=2`. The page title is "Modernize Free". On the left, there is a sidebar with a "HOME" section containing links for "Dashboard", "Add Product", and "View Product". The "Add Product" link is highlighted. The main content area is titled "Add Product" and contains a form with three input fields: "Product Name", "Product Price", and "Product Detail". Below the form is an "Update" button. The input fields contain the following values: "50w led bulb", "750", and "abcd".

## ➤ Display and Delete product Page:

The screenshot shows a web browser window with the URL `localhost/internship/admin_demo/view_product.php`. The page title is "Modernize Free". On the left, there is a sidebar with a "HOME" section containing links for "Dashboard", "Add Product", and "View Product". The "View Product" link is highlighted. The main content area is titled "Products" and contains a table with one product entry. The table has columns for "Id", "Name", "Price", "Detail", and "Action". The "Action" column contains links for "Delete" and "Edit".

Id	Name	Price	Detail	Action
1	50w led bulb	750	abcd	<a href="#">Delete</a> <a href="#">Edit</a>

## 4. Login & Logout with Session

### ➤ Login.php:

- We create login form after login, a session is created to maintain the user's authentication state throughout their interaction with the system.

```
login.php x
session_demo > login.php > ...
1  <?php
2  session_start();
3  require("dbconnect.php");
4  if ($_POST) {
5      $user_email = $_POST['email'];
6      $user_password = $_POST['ps'];
7
8      $q = mysqli_query($con, "select * from register where user_email='" . $user_email . "' and user_password = '" .
9      $user_password . "'");
10     $count = mysqli_num_rows($q);
11     $row = mysqli_fetch_array($q);
12
13     if ($count > 0) {
14         $_SESSION['user_id'] = $row['user_id'];
15         $_SESSION['user_name'] = $row['user_name'];
16         $_SESSION['user_email'] = $row['user_email'];
17         // echo "<script>>window.location='home.php'</script>";
18         header('location:home.php');
19     } else {
20         echo "<script>alert('Could'nt Login');</script>";
21     }
22 }
```

### ➤ index.php:

- After login successfully user will redirected to the index page.

```
home.php M x
session_demo > home.php > html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
7      integrity="sha384-T3c6CoIi6uLrA9TneEoa7RxnatzjcDSCmG1MXxSR1GA5XEV/Dwvykc2MPK8M2HN" crossorigin="anonymous">
8      <title>HomePage</title>
9  </head>
10 <body>
11     <?php
12     session_start();
13     if (!isset($_SESSION['user_email'])) {
14         header("location:login.php");
15     }
16     ?>
17     <h1 class="p-4 text-center"> This is Home Page</h1>
18     <h1 class="text-center">Welcome&nbsp;<?=$_SESSION['user_name'] ?></h1>
19     <div class="text-center">
20         <a href=add_order.php class='btn btn-primary'>Add Order</a>
21         <a href=manage_order.php class='btn btn-info'>Manage Order</a>
22         <a href=logout.php class='btn btn-danger'>Logout</a>
23     </div>
24 </body>
</html>
```

### ➤ add\_order.php:

- In this file user add order after log's in .

```
manage_order.php M add_order.php X
session_demo > add_order.php ...
1 <?php
2 require "dbconnect.php";
3 session_start();
4 if (!isset($_SESSION['user_email'])) {
5     header("location:login.php");
6 }
7 if ($_POST) {
8     $order_date = date('d-m-y');
9     $user_id = $_SESSION['user_id'];
10    $product_name = $_POST['p_name'];
11    $product_qty = $_POST['p_qty'];
12    $order_status = "pending";
13
14    $q = mysql_query($con, "insert into order_master(order_date,user_id,product_name,product_qty,order_status)values('{$order_date}','{$user_id}','{$product_name}','{$product_qty}','{$order_status}')") or die(mysql_error($con));
15
16    if ($q) {
17        echo "<script>alert('Your Order Place Successfully');</script>";
18    }
19 }
20 ?>
```

### ➤ manage\_order.php:

- In this file user Manage the order after log's in .

```
manage_order.php M X
session_demo > manage_order.php > html > body > table.table-mt-3.border-1
17 <table class="table mt-3 border-1">
18 <tr>
19 <th>No.</th>
20 <th>Order_Id</th>
21 <th>Order_Date</th>
22 <th>Product</th>
23 <th>Qty</th>
24 <th>Status</th>
25 </tr>
26
27 <?php
28 require("dbconnect.php");
29 session_start();
30 if (!isset($_SESSION['user_email'])) {
31     header("location:login.php");
32 }
33 $q = mysql_query($con, "SELECT * FROM order_master where user_id='{$_SESSION['user_id']}'") or die(mysql_error($con));
34 $i = 1;
35 if (mysql_num_rows($q) != 0) {
36     while ($r = mysql_fetch_array($q)) {
37
38         <tr>
39             <td><?=$i: ?></td>
40             <td><?=$r['order_id'] ?></td>
41             <td><?=$r['order_date'] ?></td>
42             <td><?=$r['product_name'] ?></td>
43             <td><?=$r['product_qty'] ?></td>
44             <td><?=$r['order_status'] ?></td>
45         </tr>
46     <?php
47         $i++;
48     >
49 }
50 else {
51     <tr>
52         <td colspan="5">No Records Found</td>
53     </tr>
54 </table>
55 <?php
56 >
57 ?>
58 </table>
```

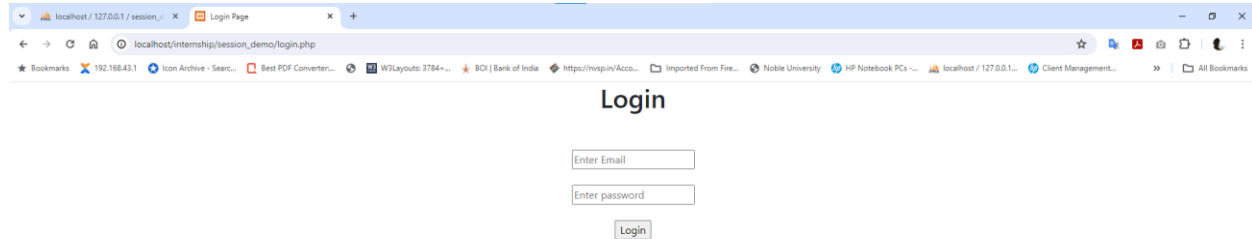
### ➤ logout.php

- When the user chooses to log out, the session is ended, thereby revoking their access.

```
logout.php X
session_demo > logout.php
1 <?php
2 session_start();
3 session_destroy();
4 header("location:login.php");
5 ?>
```

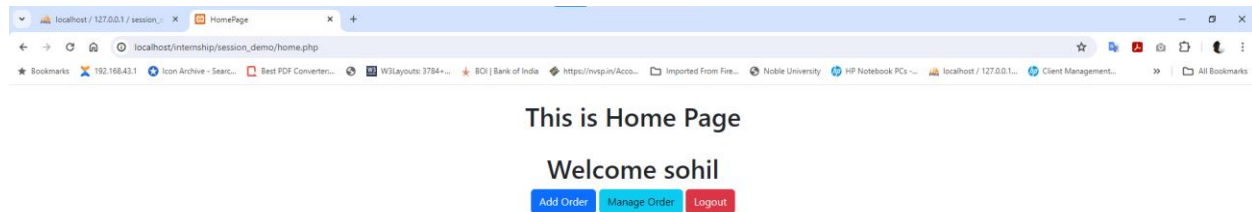
# Output

## ➤ Login Page:



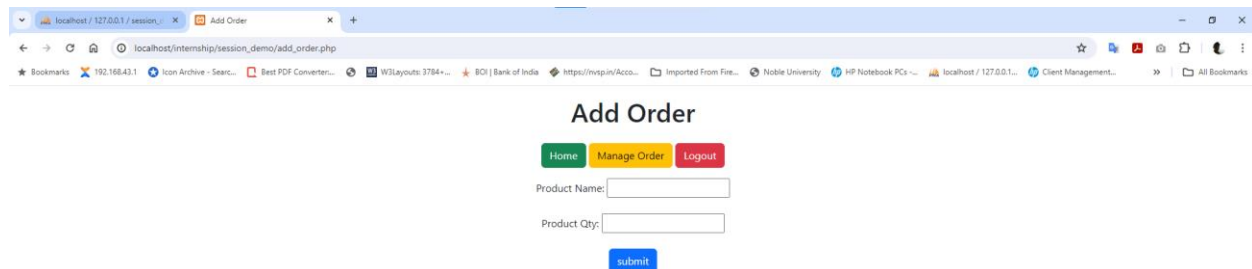
A screenshot of a web browser showing the login page. The browser's address bar displays 'localhost / 127.0.0.1 / session\_'. The page has a title 'Login Page' and a URL 'localhost/internship/session\_demo/login.php'. The main content area is titled 'Login' and contains three input fields: 'Enter Email', 'Enter password', and a 'Login' button.

## ➤ Index Page:



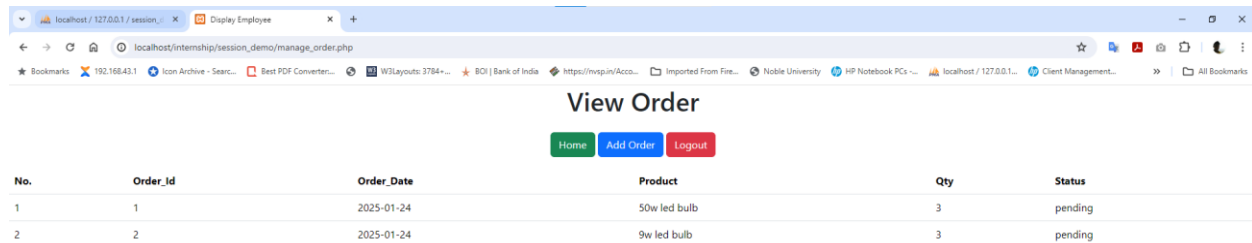
A screenshot of a web browser showing the index page. The browser's address bar displays 'localhost / 127.0.0.1 / session\_'. The page has a title 'HomePage' and a URL 'localhost/internship/session\_demo/home.php'. The main content area is titled 'This is Home Page' and 'Welcome sohil'. Below the welcome message are three buttons: 'Add Order' (blue), 'Manage Order' (green), and 'Logout' (red).

## ➤ Add Order Page:



A screenshot of a web browser showing the add order page. The browser's address bar displays 'localhost / 127.0.0.1 / session\_'. The page has a title 'Add Order' and a URL 'localhost/internship/session\_demo/add\_order.php'. The main content area is titled 'Add Order' and contains three buttons: 'Home' (green), 'Manage Order' (yellow), and 'Logout' (red). Below the buttons are two input fields: 'Product Name:' and 'Product Qty:'. A 'submit' button is located below the input fields.

## ➤ Manage Order Page:



A screenshot of a web browser showing the manage order page. The browser's address bar displays 'localhost / 127.0.0.1 / session\_'. The page has a title 'Display Employee' and a URL 'localhost/internship/session\_demo/manage\_order.php'. The main content area is titled 'View Order' and contains three buttons: 'Home' (green), 'Add Order' (blue), and 'Logout' (red). Below the buttons is a table with the following data:

No.	Order_id	Order_Date	Product	Qty	Status
1	1	2025-01-24	50w led bulb	3	pending
2	2	2025-01-24	9w led bulb	3	pending

## 5. Login & Logout User, Change Password and Forgot Password

### ➤ Login.php:

- Once registered, users can access their accounts by logging in with their credentials, typically a combination of username/email and password.
- The login process verifies the provided information against the stored data in the database.
- Upon successful authentication, users can access to change password.

```
login.php x
login_demo > login.php > ...
1  <?php
2  session_start();
3  require("dbconnect.php");
4  if ($_POST) {
5      $u_email = $_POST['email'];
6      $u_password = $_POST['ps'];
7
8      $q = mysqli_query($con, "select * from register where u_email='{$_u_email}' and u_password = '{$_u_password}' ");
9      $count = mysqli_num_rows($q);
10     $row = mysqli_fetch_array($q);
11
12     if ($count > 0) {
13         $_SESSION['u_id'] = $row['u_id'];
14         $_SESSION['u_name'] = $row['u_name'];
15         $_SESSION['u_email'] = $row['u_email'];
16         header('location:index.php');
17     } else {
18         echo "<script>alert('Could'nt Login');</script>";
19     }
20 }
21 ?>
```

### ➤ index.php:

```
index.php M x
login_demo > index.php > html > body
1  <?php
2  session_start();
3  if (!isset($_SESSION['u_email'])) {
4      header("location:login.php");
5  }
6  ?>
7  <!DOCTYPE html>
8  <html lang="en">
9  <head>
10     <meta charset="UTF-8">
11     <meta name="viewport" content="width=device-width, initial-scale=1.0">
12     <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
13         integrity="sha384-T3c6CoIi6uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwwykc2MPK8M2HN" crossorigin="anonymous">
14     <title>Home page</title>
15 </head>
16 <body>
17     <div class="container">
18         <h1><?php echo "hi, " . $_SESSION['u_name']; ?></h1>
19         <a href="logout.php" class="btn btn-danger">Logout</a>
20         <a href="changepass.php" class="btn btn-danger">Change Password</a>
21     </div>
22 </body>
23 </html>
```

## ➤ changepass.php:

- Users have the option to change their account password for security reasons or if they forget their current password.
- This functionality typically requires users to provide their current password for verification before allowing them to set a new one.

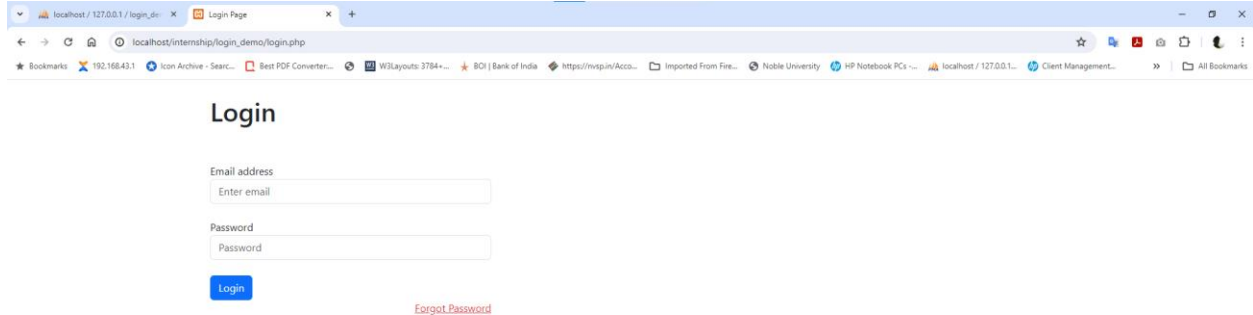
```
login_demo > changepass.php > ...
1 <?php
2 session_start();
3 require("dbconnect.php");
4 if (!isset($_SESSION['u_email'])) {
5     echo "<script>alert('Login Required');window.location='login.php';</script>";
6 }
7 if ($_POST) {
8     $opass = $_POST['ops'];
9     $npass = $_POST['nps'];
10    $cpass = $_POST['cps'];
11    $u_id = $_SESSION['u_id'];
12
13    $p = mysqli_query($con, "select * from register where u_id = '{$u_id}'");
14    $r = mysqli_fetch_array($p);
15    extract($r);
16    if ($u_password == $opass)
17    {
18        if ($npass == $cpass)
19        {
20            if ($opass == $npass)
21            {
22                echo "<script>alert('New Password Must be different from old password');</script>";
23            }
24            else
25            {
26                $q = mysqli_query($con, "update register set u_password = '{$npass}' where u_id = '{$u_id}'");
27                echo "<script>alert('Password Change successfully');window.location = 'index.php';</script>";
28            }
29        }
30        else
31        {
32            echo "<script>alert('New Password & Confirm Password not Match');</script>";
33        }
34    }
35    else
36    {
37        echo "<script>alert('Old Password Not Match');</script>";
38    }
39 }
40 ?>
```

## ➤ Forgotpass.php:

```
login_demo > forgotpass.php > ...
1 <?php
2 require("dbconnect.php");
3 use PHPMailer\PHPMailer\PHPMailer;
4 use PHPMailer\PHPMailer\SMTP;
5 use PHPMailer\PHPMailer\Exception;
6 if ($_POST) {
7     $u_email = $_POST['email'];
8
9     $q = mysqli_query($con, "select * from register where u_email='{$u_email}'");
10    $count = mysqli_num_rows($q);
11
12    if ($count == 1) {
13        $row = mysqli_fetch_array($q);
14        $msg = "Your Password is: " . $row['u_password'];
15        //Load Composer's autoloader
16        require 'vendor/autoload.php';
17        //Create an instance; passing 'true' enables exceptions
18        $mail = new PHPMailer(true);
19        try {
20            //Server settings
21            $mail->SMTPDebug = SMTP::DEBUG_SERVER;
22            $mail->isSMTP();
23            $mail->Host = 'smtp.gmail.com';
24            $mail->SMTPAuth = true;
25            $mail->Username = 'sohilvora2000@gmail.com';
26            $mail->Password = 'pxydydfhfkveqvffp';
27            $mail->SMTPSecure = PHPMailer::ENCRYPTION_SMTPS;
28            $mail->Port = 465;
29            //Recipients
30            $mail->setFrom('sohilvora2000@gmail.com', 'Sohil Vora');
31            $mail->addAddress($u_email, 'Sohil Vora');
32            //Content
33            $mail->isHTML(true);
34            $mail->Subject = 'Forgot Password';
35            $mail->Body = $msg;
36            $mail->AltBody = $msg;
37            $mail->send();
38            echo "<script>alert('Password has been sent in your Email'); window.location='index.php';</script>";
39        } catch (Exception $e) {
40            echo "Message could not be sent. Mailer Error: {$mail->ErrorInfo}";
41        }
42    } else {
43        echo "<script>alert('Email not found');</script>";
44    }
45 }
46 ?>
```

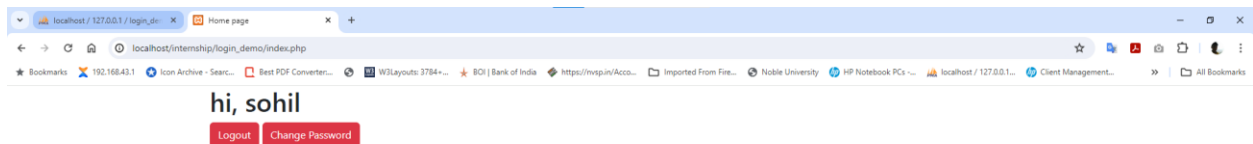
# Output

## ➤ Login Page:



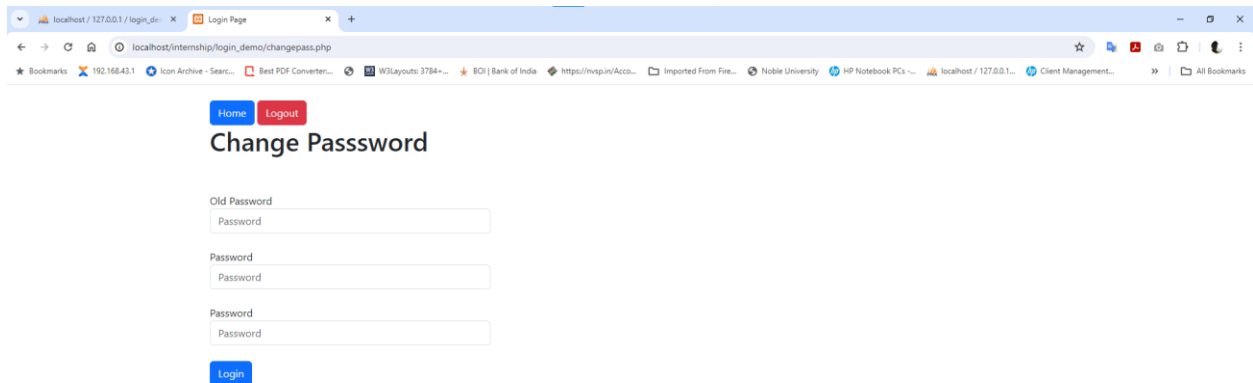
A screenshot of a web browser displaying the 'Login Page'. The browser's address bar shows 'localhost / 127.0.0.1 / login\_demo/login.php'. The page has a light blue header with the title 'Login'. Below the header, there are two input fields: 'Email address' with a placeholder 'Enter email' and 'Password' with a placeholder 'Password'. A blue 'Login' button is positioned below the password field. To the right of the 'Login' button, there is a red text link that says 'Forgot Password'.

## ➤ Index Page:



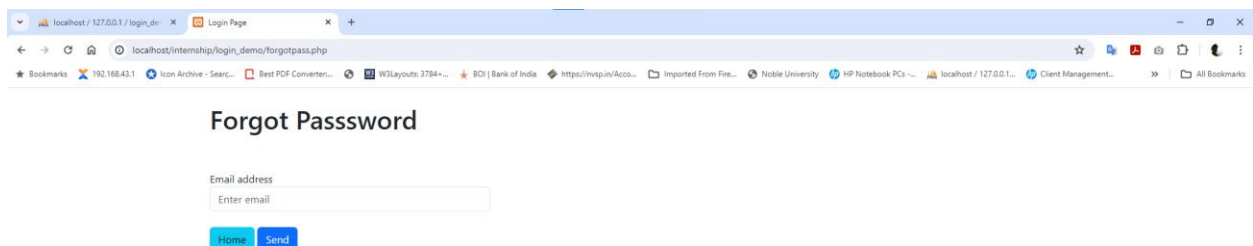
A screenshot of a web browser displaying the 'Index Page'. The browser's address bar shows 'localhost / 127.0.0.1 / login\_demo/index.php'. The page has a light blue header with the title 'hi, sohil'. Below the header, there are two red buttons: 'Logout' and 'Change Password'.

## ➤ ChangePass Page:



A screenshot of a web browser displaying the 'Change Passsword' page. The browser's address bar shows 'localhost / 127.0.0.1 / login\_demo/changepass.php'. The page has a light blue header with the title 'Change Passsword'. Below the header, there are two buttons: 'Home' and 'Logout'. Below the buttons, there are three input fields: 'Old Password' with a placeholder 'Password', 'Password' with a placeholder 'Password', and 'Password' with a placeholder 'Password'. A blue 'Login' button is positioned below the third input field.

## ➤ Forgotpass Page:



A screenshot of a web browser displaying the 'Forgot Password' page. The browser's address bar shows 'localhost / 127.0.0.1 / login\_demo/forgotpass.php'. The page has a light blue header with the title 'Forgot Password'. Below the header, there is one input field: 'Email address' with a placeholder 'Enter email'. Below the input field, there are two buttons: 'Home' and 'Send'.



## 6. E-commerce website demo, register, login, logout, display product category wise, add to cart, checkout

### ➤ Login.php:

- We create ecommerce website demo with bootstrap
- This is login file of ecommerce website demo project.

```
login.php X
product_demo > login.php > ...
1 <?php
2 session_start();
3 require("include/dbconnect.php");
4 if ($_POST) {
5     $user_email = $_POST['email'];
6     $user_password = $_POST['ps'];
7
8     $q = mysqli_query($con, "select * from register where user_email='" . $user_email . "' and user_password = '" . $user_password . "'");
9     $count = mysqli_num_rows($q);
10    $row = mysqli_fetch_array($q);
11
12    if ($count > 0) {
13        $_SESSION['user_id'] = $row['user_id'];
14        $_SESSION['user_name'] = $row['user_name'];
15        $_SESSION['user_email'] = $row['user_email'];
16
17        header('location:index.php');
18    } else {
19        echo "<script>alert('Could'nt Login');</script>";
20    }
21 }
22 ?>
```

### ➤ Add category.php:

- In this file user can add category after login.

```
add_category.php X
product_demo > C:\xampp\htdocs\internship\product_demo\add_category.php
1 <?php
2 require "include/dbconnect.php";
3 session_start();
4 if (!isset($_SESSION['user_email'])) {
5     header("location:login.php");
6 }
7 if (isset($_POST['submit'])) {
8     $cat_name = mysqli_real_escape_string($con, $_POST['cat_name']);
9     $is_active = mysqli_real_escape_string($con, $_POST['is_active']);
10
11    $insertq = mysqli_query($con, "INSERT INTO category(cat_name,is_active) VALUES
12    ('{$cat_name}','{$is_active}')") or die(mysqli_error($con));
13
14    if ($insertq) {
15        echo "<script>alert('Category Added'); window.location='index.php';</script>";
16    } else {
17        echo "<script>alert('Somethong went wrong ');</script>";
18    }
19 }
20
21 ?>
```

## ➤ add\_sub\_category.php:

- In this file user can add sub category after login.

```
add_product.php M add_sub_cat.php X
product_demo > add_sub_cat.php > ...
1 <?php
2 require "include/dbconnect.php";
3 session_start();
4 if (isset($_SESSION['user_email'])) {
5     header("location:login.php");
6 }
7 if (isset($_POST['submit'])) {
8     $sub_cat_name = mysqli_real_escape_string($con, $_POST['sub_cat_name']);
9     $sub_cat = mysqli_real_escape_string($con, $_POST['sub_cat']);
10    $is_active = mysqli_real_escape_string($con, $_POST['is_active']);
11
12    $insertq = mysqli_query($con, "INSERT INTO sub_category(sub_cat_name,cat_id,is_active) VALUES
13    ('{$sub_cat_name}','{$sub_cat}','{$is_active}') or die(mysqli_error($con));
14
15    if ($insertq) {
16        echo "<script>alert('Sub Category Added'); window.location='index.php';</script>";
17    } else {
18        echo "<script>alert('Somethong went wrong ');</script>";
19    }
20 }
21
22 ?>
```

## ➤ add\_product.php:

- In this file user can add product after login.

```
add_product.php M X
product_demo > add_product.php > ...
1 <?php
2 require "include/dbconnect.php";
3 session_start();
4 if (isset($_SESSION['user_email'])) {
5     header("location:login.php");
6 }
7 if (isset($_POST['submit'])) {
8     $pro_title = mysqli_real_escape_string($con, $_POST['pro_title']);
9     $pro_detail = mysqli_real_escape_string($con, $_POST['pro_detail']);
10    $pro_price = mysqli_real_escape_string($con, $_POST['pro_price']);
11    $pro_image = $_FILES['pro_image']['name'];
12    $sub_cat_id1 = mysqli_real_escape_string($con, $_POST['sub_cat_id1']);
13    $pro_qty = mysqli_real_escape_string($con, $_POST['pro_qty']);
14    $is_active = mysqli_real_escape_string($con, $_POST['is_active']);
15    $insertq = mysqli_query($con, "INSERT INTO product_master(pro_title, pro_detail, pro_price, pro_image, sub_cat_id, pro_qty, is_active, is_delete) VALUES ('
16    '{$pro_title}','{$pro_detail}','{$pro_price}','{$pro_image}','{$sub_cat_id1}','{$pro_qty}','{$is_active}','0') or die(mysqli_error($con));
17    if ($insertq) {
18        $fileupload = move_uploaded_file($_FILES['pro_image']['tmp_name'], "image/" . $pro_image);
19        if ($fileupload) {
20            echo "<script>alert('Pr
21            oduct Added'); window.location='display_product.php';</script>";
22        } else {
23            echo "<script>alert('Somethong went wrong ');</script>";
24        }
25    }
26    ?>
```

## ➤ detail\_product.php:

```
add_product.php M checkout.php M detail_product.php X
product_demo > detail_product.php > ...
1 <?php
2 require "include/dbconnect.php";
3 session_start();
4 if (isset($_SESSION['user_email'])) {
5     header("location:login.php");
6 }
7 $pid = $_GET['pid'];
8 $detailq = mysqli_query($con, "SELECT * FROM product_master where pro_id = {$pid}") or die(mysqli_error($con));
9 $count = mysqli_num_rows($detailq);
10 if ($count < 1) {
11     header("location=display_product.php");
12 }
13 $r = mysqli_fetch_array($detailq);
14 extract($r);
15
16 $subcatq = mysqli_query($con, "select sub_cat_name from sub_category where sub_cat_id = {$sub_cat_id} ") or die(mysqli_error($con));
17 $subcat = mysqli_fetch_array($subcatq);
18 extract($subcat);
19 ?>
```

### ➤ cart\_process.php:

- The platform features a user-friendly cart system where customers can add desired items for purchase.
- The cart provides a convenient overview of selected products, allowing users to modify quantities or remove items as needed.

```
add_product.php M X cart_process.php X
product_demo > cart_process.php > ...
1  <?php
2
3  session_start();
4  if (!isset($_SESSION['user_email'])) {
5      header("location:login.php");
6  }
7  $pid = $_GET['pid'];
8  $qty = $_GET['qty'];
9
10 if (isset($_SESSION['productcart'])) {
11     $currentno = $_SESSION['counter'] + 1;
12     $_SESSION['productcart'][$currentno] = $pid;
13     $_SESSION['qtycart'][$currentno] = $qty;
14     $_SESSION['counter'] = $currentno;
15 } else {
16     $productcart = array();
17     $qtycart = array();
18     $_SESSION['productcart'][0] = $pid;
19     $_SESSION['qtycart'][0] = $qty;
20     $_SESSION['counter'] = 0;
21 }
22 header("location:view_cart.php");
23 ?>
```

### ➤ checkout.php:

- During the checkout process, the demo ensures a secure transaction experience.
- Users can enter shipping and payment details with ease, with options for various payment methods.
- The checkout process is designed to be intuitive, guiding users step-bystep to complete their purchase efficiently.

```
add_product.php M checkout.php M X
product_demo > checkout.php > ...
1  <?php
2  require "include/dbconnect.php";
3  session_start();
4  if (!isset($_SESSION['user_email'])) {
5      header("location:login.php");
6  }
7  if ($_POST) {
8      $shipping_name = mysqli_real_escape_string($con, $_POST['name']);
9      $shipping_mobile = mysqli_real_escape_string($con, $_POST['mobile']);
10     $shipping_address = mysqli_real_escape_string($con, $_POST['address']);
11     $orderdate = date('d-m-y');
12     $user_id = $_SESSION['user_id'];
13     $ordermasterq = mysqli_query($con, "INSERT INTO order_master(order_date, user_id, order_status, shipping_name,shipping_address, shipping_mobile)
14     VALUES ('{$orderdate}','{$user_id}','pending','{$shipping_name}','{$shipping_address}','{$shipping_mobile}') or die(mysqli_error($con));
15     $order_id = mysqli_insert_id($con);
16     foreach ($_SESSION['productcart'] as $key => $value) {
17         $productq = mysqli_query($con, "select * from product_master where pro_id={$value}") or die(mysqli_error($con));
18         $prod = mysqli_fetch_array($productq);
19         extract($prod);
20         $product_qty = $_SESSION['qtycart'][$key];
21         $orderdetailq = mysqli_query($con, "insert into order_details(order_id,product_id,product_qty,product_price)values('{$order_id}','{$value}','{$product_qty}','
22         {$pro_price}')") or die(mysqli_error($con));
23     }
24     unset($_SESSION['productcart']);
25     unset($_SESSION['qtycart']);
26     unset($_SESSION['countercart']);
27     echo "<script>alert('Order Placed Successfully'); window.location='display_product.php';</script>";
28     ?>
```

# Output

## ➤ Login Page:

Navbar Home Add Category Add Sub Category Add Product Display Product Category ▾

Search search Cart Login

### Login

Email

Enter Email

Password

Enter password

Submit

## ➤ Add Category Page:

Navbar Home Add Category Add Sub Category Add Product Display Product Category ▾

Search search Cart Logout

### Add Sub Category

Category Name

Enter Category

Is Active

----Select----

Submit

## ➤ Add Sub Category Page:

Navbar Home Add Category Add Sub Category Add Product Display Product Category ▾

Search search Cart Logout

### Add Sub Category

Sub Category Name

Enter Sub Category

Sub Category

----Select----

Is Active


----Select----

Submit

## ➤ Detail Product Page:

Navbar Home Add Category Add Sub Category Add Product Display Product Category ▾

Search search Cart Logout



### Samsung Galaxy A14 5G

4.5 154 orders In stock

₹15599

₹15499 /per box

(Dark Red, 4GB, 128GB Storage) | Triple Rear Camera (50 MP Main) | Upto 8 GB RAM with RAM Plus | Without Charger

Sub Category Laptop

Quantity

1

Add to cart

**MDB**  
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About us  
Find store  
Categories  
Blog

**INFORMATION**  
Help center  
Money refund  
Shipping info  
Refunds

**SUPPORT**  
Help center  
Documents  
Account restore  
My orders

**NEWSLETTER**  
Stay in touch with latest updates about our products and offers

Email Join

English ▾

## ➤ Add Product Page:

Navbar

Home

Add Category

Add Sub Category

Add Product

Display Product

Category ▾

Search

search

Cart

Logout

Add Product

Name

Enter Name

Details

Enter Product Details

Price

Enter Price

Image

Choose File

No file chosen

Sub Category

----Select----

Qty

Enter Qty

Is Active

----Select----

Submit

## ➤ Cart Page:

Navbar

Home

Add Category

Add Sub Category

Add Product

Display Product

Category ▾

Search


search

Cart

Logout

Continue shopping

Shopping cart



Samsung Galaxy A14 5G

1

15499

Remove

Total Amount to Pay

Subtotal

₹15499.00

Shipping

₹50.00

Total(Incl. taxes)

₹15549.00

Check out

## ➤ Checkout Page:

Navbar

Home

Add Category

Add Sub Category

Add Product

Display Product

Category ▾

Search

search

Cart

Logout

Add Your Details

Name

Enter Shipping Name

Mobile No.

Enter Mobile Number

Address

Enter Shipping Address

Submit

## 7. Ecommerce admin and user bootstrap template, registater, login, logout, display product, category, add to cart checkout

- An E-commerce Bootstrap template streamlines the design and functionality of online stores for both administrators and users.
- Users can register accounts, log in securely, and log out as needed.
- The template organizes products into categories for easy navigation and display, facilitating a seamless shopping experience.
- Users can conveniently add items to their carts, which are dynamically updated.
- At checkout, they can review their orders and proceed to payment.
- Admins have access to backend functionalities for managing products, categories, orders, and user accounts, ensuring smooth operation of the online store.

### ➤ shop.php:

```
index.php M shop.php X
ecommerce_demo > shop.php > ...
1  <?php
2  session_start();
3  include "include/dbconnect.php";
4  if (isset($_GET['subcatid'])) {
5      $subcatid1 = $_GET['subcatid'];
6      $q = mysqli_query($con, "SELECT * FROM product_master where sub_cat_id = '{$subcatid1}'") or die(mysqli_error($con,));
7      $count = mysqli_num_rows($q);
8      if ($count < 1) {
9          echo "No Records Found";
10     }
11 } else if (isset($_GET['search'])) {
12     $search = $_GET['search'];
13     $q = mysqli_query($con, "SELECT * FROM product_master where pro_title like '%$search%'") or die(mysqli_error($con,));
14 } else if (isset($_GET['starting']) && isset($_GET['ending'])) {
15     $starting = $_GET['starting'];
16     $ending = $_GET['ending'];
17     $q = mysqli_query($con, "SELECT * FROM product_master where pro_price between $starting and $ending") or die(mysqli_error($con,));
18 } else {
19     $q = mysqli_query($con, "SELECT * FROM product_master") or die(mysqli_error($con,));
20 }
21 $sub_category = mysqli_query($con, "SELECT * FROM sub_category");
22
23 ?>
```

### ➤ detail\_product.php:

```
index.php M detail_product.php X
ecommerce_demo > detail_product.php > ...
1  <?php
2  session_start();
3  include "include/dbconnect.php";
4  if (isset($_GET['pro_id'])) {
5      $pid = $_GET['pro_id'];
6      $detailq = mysqli_query($con, "SELECT sub_category.*,product_master.* FROM product_master INNER JOIN sub_category ON product_master.sub_cat_id = sub_category.sub_cat_id where pro_id = {$pid}") or die(mysqli_error($con,));
7      $r = mysqli_fetch_array($detailq);
8  } else {
9      header("location:shop.php");
10 }
11 ?>
```

## ➤ cart.php:

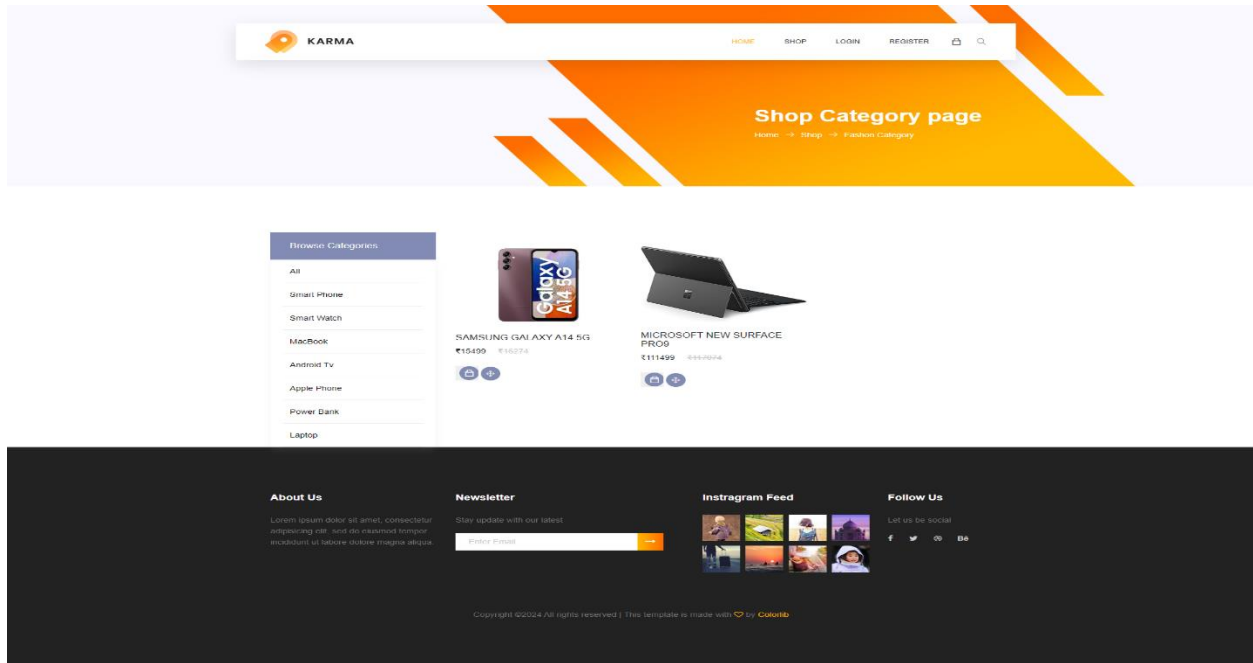
```
index.php M cart_process.php X
ecommerce_demo > cart_process.php > ...
1 <?php
2 session_start();
3 include "include/dbconnect.php";
4 if (!isset($_SESSION['user'])) {
5     header("location:login.php");
6 }
7 if (isset($_POST['addtocart'])) {
8     $pro_id = mysqli_real_escape_string($con, $_POST['pro_id']);
9     $pro_cart_qty = mysqli_real_escape_string($con, $_POST['pro_cart_qty']);
10    $user_id = $_SESSION['user']['user_id'];
11    $select_cart = mysqli_query($con, "SELECT * FROM cart WHERE user_id = '$user_id' AND pro_id = '$pro_id'");
12    $cart_fetch = mysqli_fetch_array($select_cart);
13    if (mysqli_num_rows($select_cart) > 0) {
14        $new_pro_qty = $cart_fetch['pro_cart_qty'] + $pro_cart_qty;
15        $update_query = mysqli_query($con, "UPDATE cart SET pro_cart_qty = $new_pro_qty WHERE user_id = '$user_id' AND cart_id = '" . $cart_fetch['cart_id'] . "'");
16        header("location:cart.php");
17    } else {
18        $q = mysqli_query($con, "INSERT INTO cart(pro_id,pro_cart_qty,user_id) VALUES('$pro_id','$pro_cart_qty','$user_id')");
19        header("location:cart.php");
20    }
21 }
22 if (isset($_POST['update_cart'])) {
23     $cart_items = $_POST['pro_cart_qty'];
24     foreach ($cart_items as $pro_id => $quantity) {
25         if ($quantity == 0 || $quantity < 0) {
26             $sql = mysqli_query($con, "DELETE FROM cart WHERE pro_id = '$pro_id' AND user_id = '" . $_SESSION['user']['user_id'] . "'");
27         } else {
28             $sql = mysqli_query($con, "UPDATE cart SET pro_cart_qty = '$quantity' WHERE pro_id = '$pro_id' AND user_id = '" . $_SESSION['user']['user_id'] . "'");
29         }
30     }
31     if ($sql) {
32         header("Location: cart.php");
33     }
34 }
35 if (isset($_GET['delete_pro_cart'])) {
36     $cart_id = $_GET['delete_pro_cart'];
37     $q = mysqli_query($con, "DELETE FROM cart WHERE cart_id = '$cart_id' AND user_id = '" . $_SESSION['user']['user_id'] . "'");
38     header("location:cart.php");
39 }
```

## ➤ checkout.php:

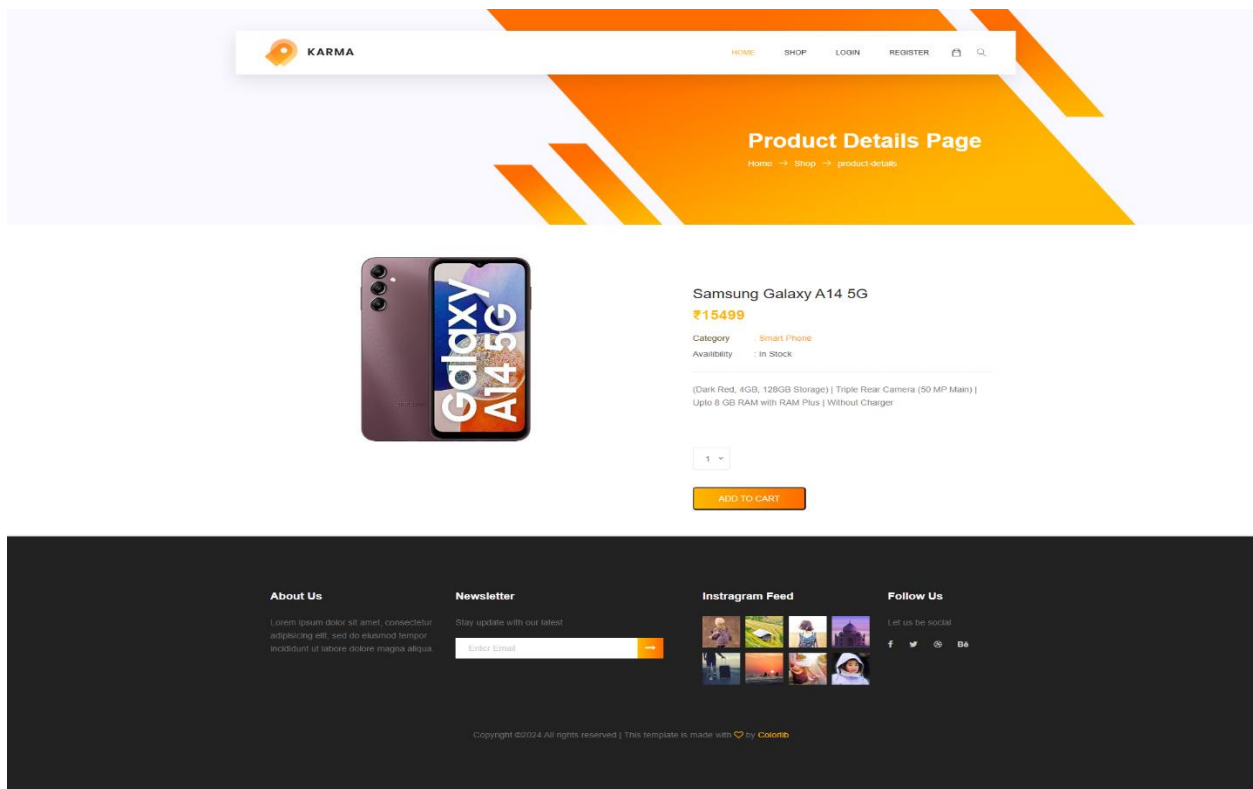
```
index.php M checkout.php M X
ecommerce_demo > checkout.php > ...
1 <?php
2 session_start();
3 include "include/dbconnect.php";
4 if (!isset($_SESSION['user'])) {
5     header("location:login.php");
6 }
7 if ($_POST) {
8     $shipping_name = mysqli_real_escape_string($con, $_POST['shipping_name']);
9     $shipping_mobile = mysqli_real_escape_string($con, $_POST['shipping_mobile']);
10    $shipping_email = mysqli_real_escape_string($con, $_POST['shipping_email']);
11    $shipping_country = mysqli_real_escape_string($con, $_POST['shipping_country']);
12    $shipping_address1 = mysqli_real_escape_string($con, $_POST['shipping_address1']);
13    $shipping_address2 = mysqli_real_escape_string($con, $_POST['shipping_address2']);
14    $shipping_city = mysqli_real_escape_string($con, $_POST['shipping_city']);
15    $shipping_district = mysqli_real_escape_string($con, $_POST['shipping_district']);
16    $shipping_zipcode = mysqli_real_escape_string($con, $_POST['shipping_zipcode']);
17    $user_id = $_SESSION['user']['user_id'];
18    $ordermasterq = mysqli_query($con, "INSERT INTO order_master(order_date, user_id, order_status, shipping_name, shipping_mobile, shipping_address1, shipping_address2, shipping_email, shipping_country, shipping_city, shipping_district, shipping_zipcode) VALUES (CURRENT_TIMESTAMP(), '{$user_id}', 'pending', '{$shipping_name}', '{$shipping_mobile}', '{$shipping_address1}', '{$shipping_address2}', '{$shipping_email}', '{$shipping_country}', '{$shipping_city}', '{$shipping_district}', '{$shipping_zipcode}') or die(mysqli_error($con));");
19    $order_id = mysqli_insert_id($con);
20    $cart_q = mysqli_query($con, "SELECT product_master.pro_price, cart.* FROM product_master INNER JOIN cart ON product_master.pro_id = cart.pro_id WHERE user_id = '$user_id'");
21    while ($cartd = mysqli_fetch_array($cart_q)) {
22        $pro_id = $cartd['pro_id'];
23        $pro_cart_qty = $cartd['pro_cart_qty'];
24        $pro_price = $cartd['pro_price'];
25        $orderdetailq = mysqli_query($con, "insert into order_details(order_id, product_id, product_qty, product_price) values('{$order_id}', '{$pro_id}', '{$pro_cart_qty}', '{$pro_price}') or die(mysqli_error($con));");
26    }
27    $deletecart = mysqli_query($con, "DELETE FROM cart WHERE user_id = '$user_id' AND cart_id = '" . $cartd['cart_id'] . "'");
28    if ($deletecart) {
29        echo "<script>alert('Thanks for shopping...');window.location='index.php'</script>";
30    }
31 }
32 }
33 }
34 ?>
```

# Output

## ➤ Shop Page:

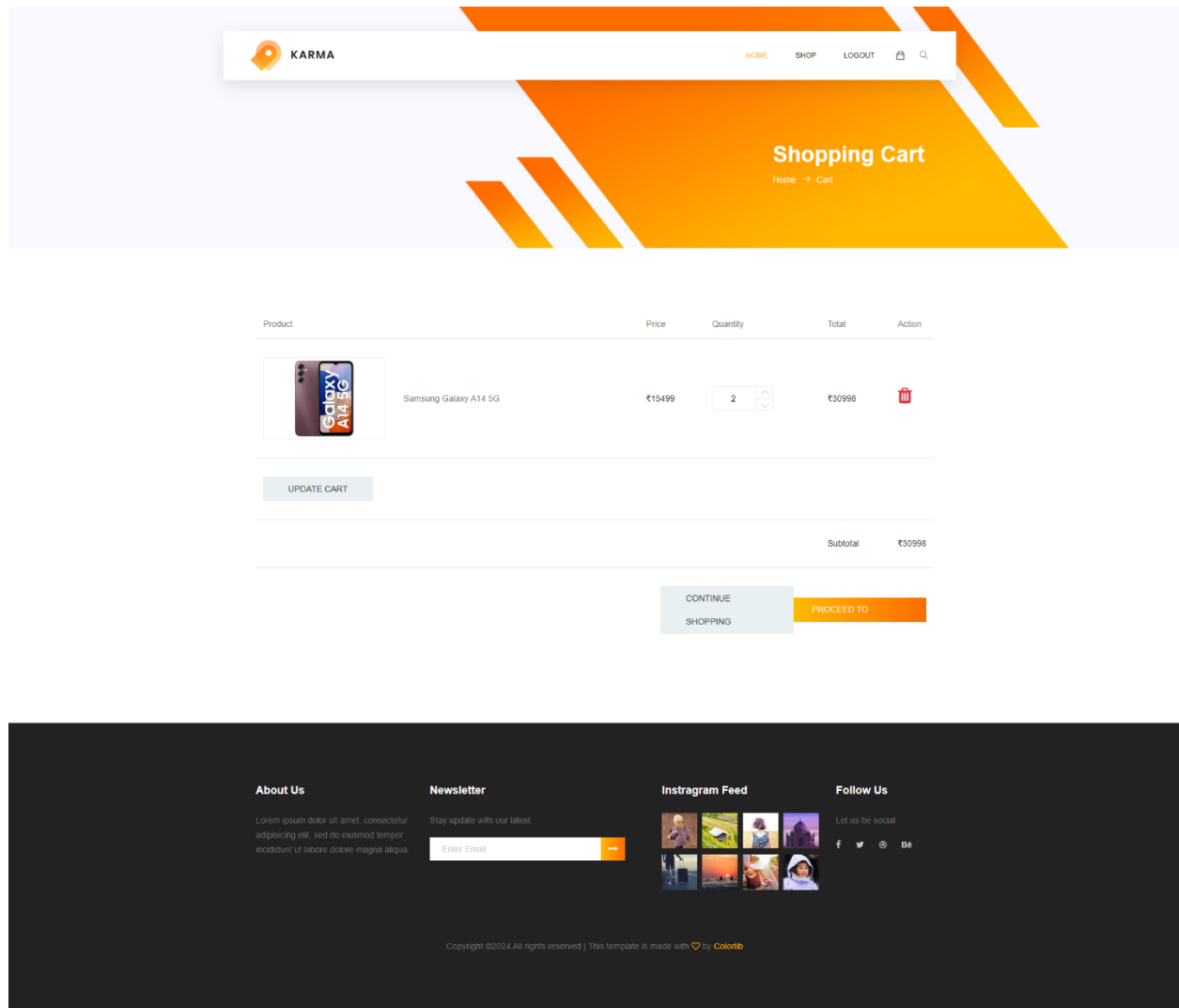


## ➤ Product Detail Page:





## ➤ Cart Page:



## ➤ Checkout Page:

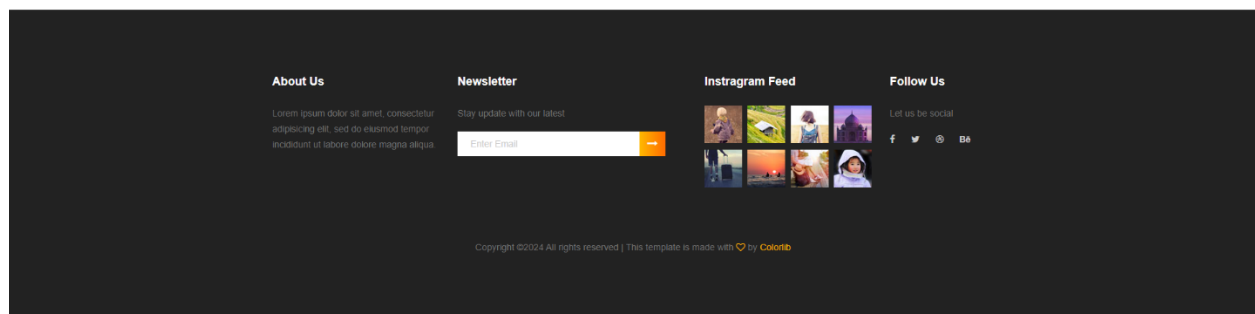


Your Order			
Product			Total
Samsung Galaxy A14 5G	₹15499	x 2	₹30998
SUBTOTAL			₹30998
SHIPPING			Flat Rate: ₹50
TOTAL			₹31048

### Billing Details

Name *	Mobile number *
Email Address *	
Country *	
Address line 01 *	
Address line 02 *	
Town/City *	
District *	
Postcode/ZIP	

PROCEED



## 8. Ecommerce admin and user with PDO statement using MySQL

- **User Interface:** A frontend where users can view products, add them to cart, make purchases, and manage their accounts.
- **Admin Interface:** A backend dashboard accessible only to admins, allowing them to add, edit, and remove products, manage user accounts, handle orders, and monitor site activity.
- **Database Structure:** Utilizing MySQL to store data such as user details, product information, orders, and administrative records.
- **PHP with PDO:** PHP scripts are employed to handle server-side logic, including authentication, data validation, and communication with the database using PDO (PHP Data Objects) to ensure secure and efficient database operations, guarding against SQL injection attacks.

### ➤ Add Category ,Brand & Product Crud.php:

```
Crud.php 9+, M X
ecommerce_pda_demo > class > Crud.php > Crud > insert
1  <?php
2  require_once "Db.php";
3  class Crud extends Db
4  {
5      public function insert($table_name, $data)
6      {
7          if (!empty($data)) {
8              $fields = $placeholder = [];
9              foreach ($data as $field => $value) {
10                 $fields[] = $field;
11                 $placeholder[] = ":{field}";
12             }
13         }
14         $sql = "INSERT INTO {$table_name} (" . implode(',', $fields) . ") VALUES (" . implode(',', $placeholder) . ")";
15         $stmt = $this->db->prepare($sql);
16         try {
17             $this->db->beginTransaction();
18             $stmt->execute($data);
19             $this->db->commit();
20             if ($stmt) {
21                 return 1;
22             } else {
23                 return 0;
24             }
25         } catch (PDOException $e) {
26             echo "Error: " . $e->getMessage();
27         }
28     }
29 }
```

## ➤ Fetch Category ,Brand & Product Crud.php:

```
Crud.php 9+, M x
ecommerce_pda_demo > class > Crud.php > Crud > update
49
30 public function get($table_name, $offset, $records_per_page)
31 {
32     $sql = "SELECT * FROM $table_name LIMIT $offset, $records_per_page";
33     $stmt = $this->db->prepare($sql);
34     $stmt->execute();
35     $result = $stmt->fetchAll(PDO::FETCH_ASSOC);
36     return $result;
37 }
38
39 public function custom_get($table_name, $where = '')
40 {
41     $sql = "SELECT * FROM $table_name ";
42     if (!empty($where)) {
43         $sql .= $where;
44     }
45     $stmt = $this->db->prepare($sql);
46     $stmt->execute();
47     $result = $stmt->fetchAll(PDO::FETCH_ASSOC);
48     return $result;
49 }
50
```

## ➤ Update Category ,Brand & Product Crud.php:

```
Crud.php 9+, M x
ecommerce_pda_demo > class > Crud.php > Crud > update
50
51 public function update($table_name, $data, $where)
52 {
53     if (!empty($data)) {
54         $fields = '';
55         $x = 1;
56         $fieldscount = count($data);
57         foreach ($data as $field => $value) {
58             $fields .= "{$field}={$value}";
59             if ($x < $fieldscount) {
60                 $fields .= ",";
61             }
62             $x++;
63         }
64     }
65     $sql = "UPDATE $table_name SET ($fields) $where";
66     $stmt = $this->db->prepare($sql);
67     try {
68         $this->db->beginTransaction();
69         $stmt->execute($data);
70         $this->db->commit();
71         return true;
72     } catch (PDOException $e) {
73         echo "Error: " . $e->getMessage();
74         $this->db->rollback();
75     }
76 }
77
```

## ➤ Delete Category ,Brand & Product Crud.php:

```
Crud.php 9+, M x
ecommerce_pda_demo > class > Crud.php > Crud > update
77
78 public function delete($table_name, $where)
79 {
80     $sql = "DELETE FROM $table_name $where";
81     $stmt = $this->db->prepare($sql);
82     try {
83         $stmt->execute();
84         return true;
85     } catch (PDOException $e) {
86         echo "Error: " . $e->getMessage();
87         $this->db->rollback();
88     }
89 }
90
```

## ➤ Pagination & Slugify for Category, Brand & Product Crud.php:

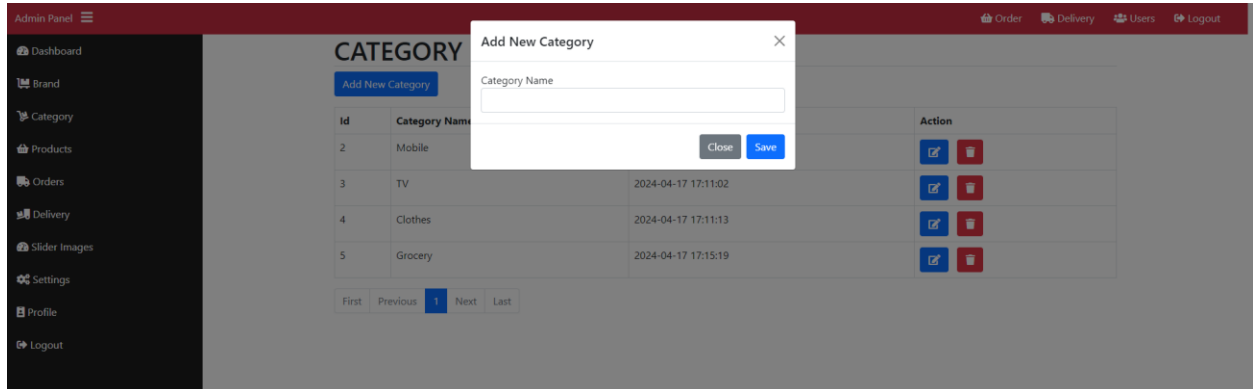
```
Crud.php 9+. M X
ecommerce_pda_demo > class > Crud.php > Crud > update
91 public function pagination($table_name, $no_of_records_per_page)
92 {
93     $query = "SELECT COUNT(*) FROM $table_name";
94     $stmt = $this->db->prepare($query);
95     $stmt->execute();
96     $total_records = $stmt->fetchColumn();
97     $total_pages = ceil($total_records / $no_of_records_per_page);
98     return $total_pages;
99 }
100
101 public function slugify($text, $slug_url, $table_name)
102 {
103     $text = preg_replace('/[^\a-z0-9]+/i', '-', strtolower($text));
104     $query = "SELECT $slug_url FROM $table_name WHERE $slug_url LIKE '$text%'";
105     $stmt = $this->db->prepare($query);
106     $stmt->execute();
107     if ($stmt->rowCount() > 0) {
108         $result = $stmt->fetchAll();
109         foreach ($result as $row) {
110             $data[] = $row[$slug_url];
111         }
112         if (in_array($text, $data)) {
113             $count = 0;
114             while (in_array(($text . '-' . ++$count), $data));
115             $text = $text . '-' . $count;
116         }
117     }
118     return $text;
119 }
120 }
```

## ➤ Database Db.php:

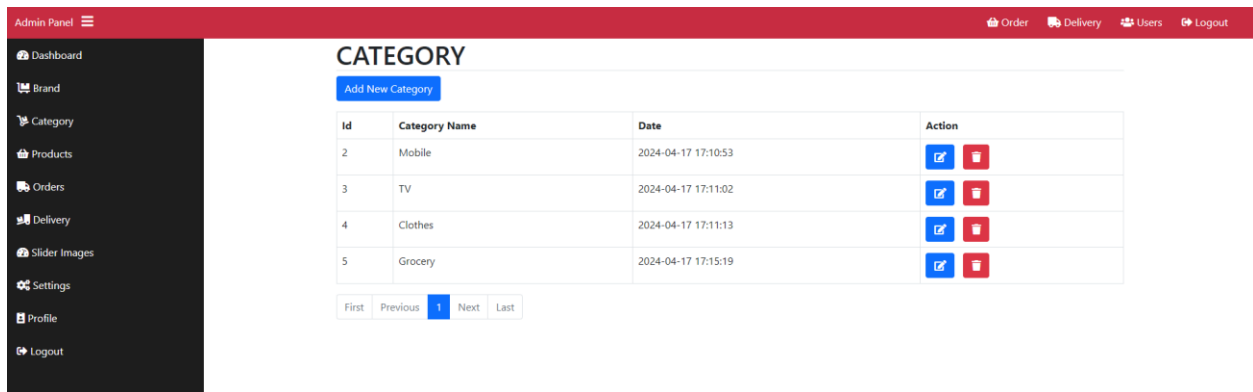
```
Crud.php 9+. M Db.php 1 X
ecommerce_pda_demo > class > Db.php > Db > $database
1 <?php
2 class Db
3 {
4     private $host = 'localhost';
5     private $username = 'root';
6     private $password = '';
7     private $database = 'pdo_ecommerce_demo';
8
9     public function __construct()
10     {
11         try {
12             $dsn = "mysql:host={$this->host}; dbname={$this->database}";
13             $option = array(PDO::ATTR_PERSISTENT);
14
15             $this->db = new PDO($dsn, $this->username, $this->password, $option);
16         } catch (PDOException $e) {
17             echo "Connection Error:" . $e->getMessage();
18         }
19     }
20 }
21 }
```

# Output:

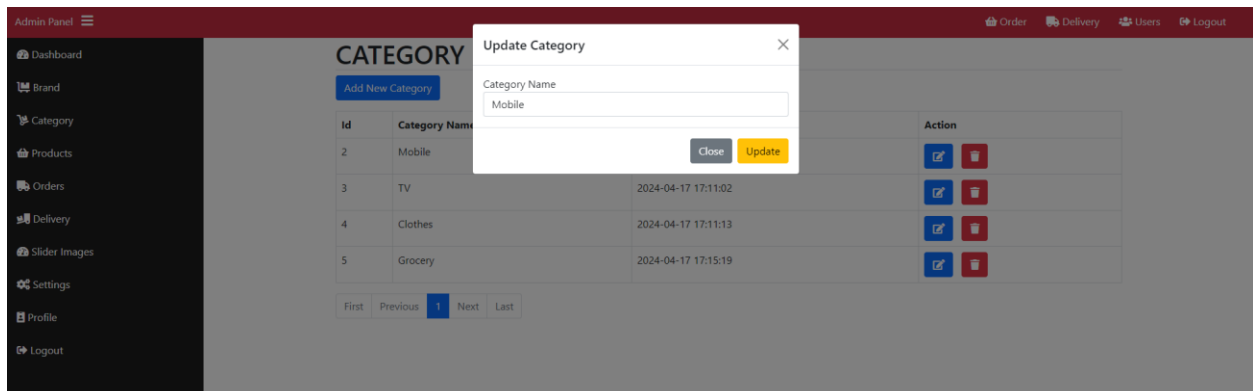
## ➤ Add Category: Admin Panel:



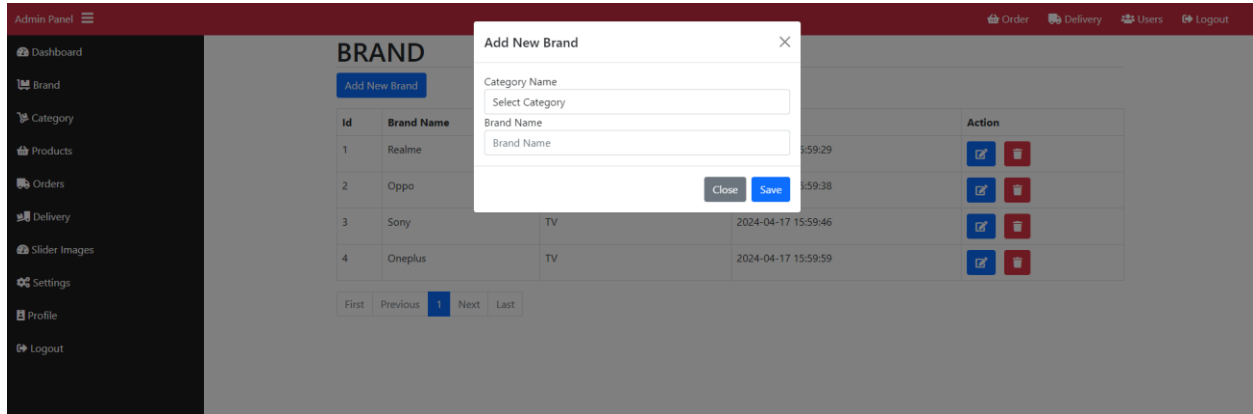
## ➤ Display & Delete Category: Admin Panel:



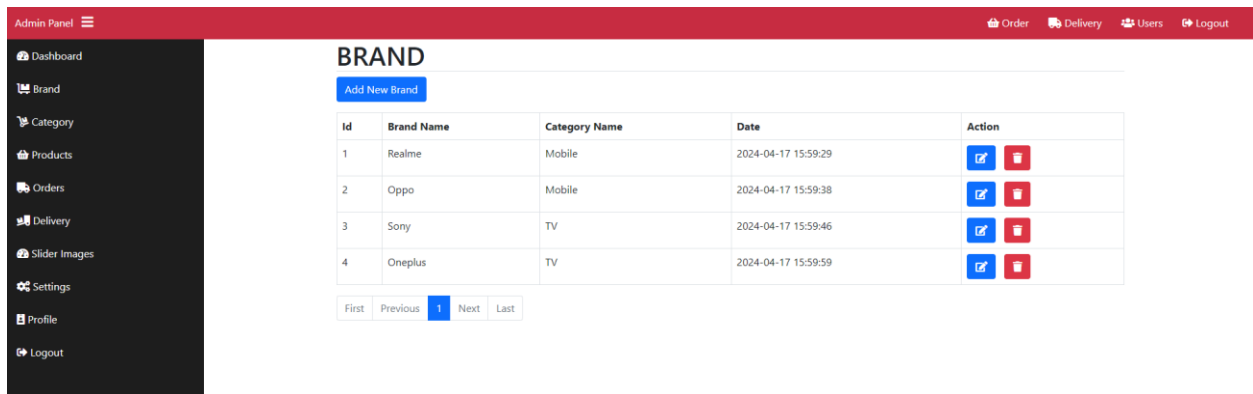
## ➤ Update Category: Admin Panel:



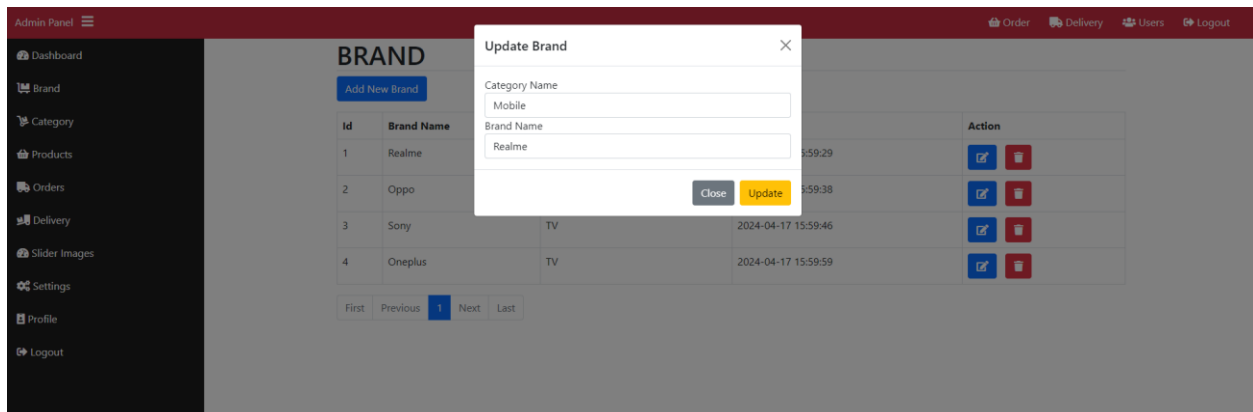
## ➤ Add Category: Admin Panel:



## ➤ Display & Delete Category: Admin Panel:



## ➤ Update Category: Admin Panel:



## ➤ Add Product: Admin Panel:

The screenshot shows the 'Add New Product' modal form. The form contains the following fields:

- Product Title (text input)
- Category Name (text input)
- Brand Name (text input)
- Regular Price (text input)
- Product Regular Price (text input)
- Selling Price (text input)
- Product Selling Price (text input)
- Product Thumbnail (file upload)
- Short Description (text area)
- Long Description (text area)
- Add More Thumbnails (text input)

At the bottom of the modal, there are 'Close' and 'Save' buttons.

## ➤ Display & Delete Product: Admin Panel:

The screenshot shows the 'ALL PRODUCTS' table. The table has the following columns:

- Id
- Product Thumbnail
- Product Title
- Regular Price
- Selling Price
- Short Description
- Long Description
- Date
- Action

The table contains one row of data:

Id	Product Thumbnail	Product Title	Regular Price	Selling Price	Short Description	Long Description	Date	Action
1		Realme 12 5g Mobile Realme	17999	15999	fbfjhjfhfjbrjbrj	rkfjrjklrjfrbfrbfrf	2024-04-17 20:20:15	

Below the table, there are pagination controls: First, Previous, 1, Next, Last.

## ➤ Update Product: Admin Panel:

The screenshot shows the 'Add New Product' modal form. The form contains the following fields:

- Product Title (text input)
- Category Name (text input)
- Brand Name (text input)
- Regular Price (text input)
- Product Regular Price (text input)
- Selling Price (text input)
- Product Selling Price (text input)
- Product Thumbnail (file upload)
- Short Description (text area)
- Long Description (text area)
- Add More Thumbnails (text input)

At the bottom of the modal, there are 'Close' and 'Save' buttons.



## 9. Chat App in Php with MySQL using Ratchet WebSocket

- A Realtime chat app built in PHP with MySQL using Ratchet WebSocket allows users to communicate instantly, resembling the functionality of popular messaging platforms.
- Ratchet WebSocket facilitates bidirectional communication between the server and clients in real-time.
- MySQL serves as the database to store messages, user information, and other relevant data.
- Users can send messages, view chat history, and engage in conversations seamlessly, with updates reflecting instantaneously across all connected clients.
- This setup ensures efficient and responsive communication, enhancing the user experience in the chat application.

### ➤ Register.php:

```
register.php M X
chat_application_in_php > register.php > ...
1  <?php
2  use PHPMailer\PHPMailer\PHPMailer;
3  use PHPMailer\PHPMailer\SMTP;
4  use PHPMailer\PHPMailer\Exception;
5  require "vendor/autoload.php";
6  $error = '';
7  $success_message = '';
8
9  if (isset($_POST["register"])) {
10     session_start();
11     if (isset($_POST["user_data"])) {
12         header("Location: chatroom.php");
13     }
14     require_once "database/ChatUser.php";
15     $user_obj = new ChatUser;
16     $user_obj->setUserName($_POST['user_name']);
17     $user_obj->setUserEmail($_POST['user_email']);
18     $user_obj->setUserPassword($_POST['user_password']);
19     $user_obj->setUserProfile($user_obj->make_avatar(strtoupper($_POST['user_name'][0])));
20     $user_obj->setUserStatus('Disabled');
21     $user_obj->setUserCreatedOn(date("Y-m-d H:i:s"));
22     $user_obj->setUserVerificationCode(md5(uniqid()));
23     $user_obj->setUserLoginStatus('Logout');
24     $user_data = $user_obj->get_user_data_by_email();
25     if (is_array($user_data) && count($user_data) > 0) {
26         $error = 'This email is already registered';
27     } else {
28         if ($user_obj->save_data()) {
29             $mail = new PHPMailer(true);
30             $mail->isSMTP();
31             $mail->SMTPAuth = true;
32             $mail->SMTPSecure = 'tls';
33             $mail->Host = 'smtp.gmail.com';
34             $mail->Port = 587;
35             $mail->Username = "sohilvora2000@gmail.com";
36             $mail->Password = "dwou jdgr fptw rjas";
37             $mail->From = "sohilvora2000@gmail.com";
38             $mail->FromName = "Sohil Vora";
39             $mail->addAddress($user_obj->getUserEmail());
40             $mail->isHTML(true);
41             $mail->Subject = "Verification Email for Chat App";
42             $mail->Body = '
43             <p>Thank you for registering for chat application.</p>
44             <p>This is a verification email, please click on the link to verify your email.</p>
45             <p><a href="http://localhost:80/internship/chat_application_in_php/verify.php?code=" . $user_obj->getUserVerificationCode() . ">Click to Verify</a></p>
46             <p>Thank you...</p>
47             ';
48             $mail->send();
49             $success_message = 'Verification mail sent to ' . $user_obj->getUserEmail() . ', So before login first verify your email';
50         } else {
51             $error = 'Something went wrong';
52         }
53     }
54 }
```

## ➤ Login index.php:

```
register.php M index.php M ×
chat_application_in_php > index.php > ...
1  <?php
2  session_start();
3  $error = '';
4  if (isset($_SESSION['user_data'])) {
5      header("location:chatroom.php");
6  }
7  if (isset($_POST['login'])) {
8      require_once "database/ChatUser.php";
9      $user_obj = new ChatUser;
10     $user_obj->setUserEmail($_POST['user_email']);
11     $user_data = $user_obj->get_user_data_by_email();
12     if (is_array($user_data) && count($user_data) > 0) {
13         if ($user_data['user_status'] == 'Enable') {
14             if ($user_data['user_password'] == $_POST['user_password']) {
15                 $user_obj->setUserId($user_data['user_id']);
16                 $user_obj->setUserLoginStatus('Login');
17                 $user_token = md5(uniqid());
18                 $user_obj->setUserToken($user_token);
19                 if ($user_obj->update_user_login_data()) {
20                     $_SESSION['user_data'][$user_data['user_id']] = [
21                         'id' => $user_data['user_id'],
22                         'name' => $user_data['user_name'],
23                         'profile' => $user_data['user_profile'],
24                         'token' => $user_token,
25                     ];
26                     header("Location:chatroom.php");
27                 } else {
28                     }
29             } else {
30                 $error = 'Wrong user password';
31             }
32         } else {
33             $error = 'Please verify your email address';
34         }
35     } else {
36         $error = 'Wrong email address';
37     }
38 }
39 ?>
```

## ➤ Verify.php:

```
register.php M × index.php M verify.php ×
chat_application_in_php > verify.php > ...
1  <?php
2  $error = '';
3  session_start();
4  if (isset($_GET['code'])) {
5      require_once "database/ChatUser.php";
6      $user_obj = new ChatUser;
7      $user_obj->setUserVerificationCode($_GET['code']);
8      if ($user_obj->is_valid_email_verification_code()) {
9          $user_obj->setUserStatus('Enable');
10         if ($user_obj->enable_user_account()) {
11             $_SESSION['success_message'] = "Your email is successfully verified, Now you can login to your account.";
12             header("location:index.php");
13         } else {
14             $error = 'Something went wrong';
15         }
16     } else {
17         $error = 'Something went wrong';
18     }
19 }
--
```

## ➤ Profile.php:

```
register.php M × index.php M profile.php ×
chat_application_in_php > profile.php > ...
1  <?php
2
3  session_start();
4  $error = '';
5  if (!isset($_SESSION['user_data'])) {
6      header("Location:index.php");
7  }
8  require_once "database/ChatUser.php";
9  $user_obj = new ChatUser;
10 $user_id = '';
11 foreach ($_SESSION['user_data'] as $key => $value) {
12     $user_id = $value['id'];
13 }
14 $user_obj->setUserId($user_id);
15 $user_data = $user_obj->get_user_data_by_id();
16 $message = '';
17 if (isset($_POST['edit'])) {
18     $user_profile = $_POST['hidden_user_profile'];
19     if ($_FILES['user_profile']['name'] != '') {
20         $user_profile = $user_obj->upload_image($_FILES['user_profile']);
21         $_SESSION['user_data'][$user_id]['profile'] = $user_profile;
22     }
23     $user_obj->setUserName($_POST['user_name']);
24     $user_obj->setUserEmail($_POST['user_email']);
25     $user_obj->setUserPassword($_POST['user_password']);
26     $user_obj->setUserProfile($user_profile);
27     $user_obj->setUserId($user_id);
28
29     if ($user_obj->update_data()) {
30         $message = '<div class="alert alert-success">Profile Details Updated</div>';
31     }
32 }
33 ?>
```

## ➤ Insert User ChatUser.php:

```
function save_data()
{
    $query = "INSERT INTO chat_user_table
    (user_name, user_email, user_password, user_profile, user_status, user_created_on, user_verification_code) VALUES
    (:user_name, :user_email, :user_password, :user_profile, :user_status, :user_created_on, :user_verification_code) ";

    $statement = $this->connect->prepare($query);
    $statement->bindParam(":user_name", $this->user_name);
    $statement->bindParam(":user_email", $this->user_email);
    $statement->bindParam(":user_password", $this->user_password);
    $statement->bindParam(":user_profile", $this->user_profile);
    $statement->bindParam(":user_status", $this->user_status);
    $statement->bindParam(":user_created_on", $this->user_created_on);
    $statement->bindParam(":user_verification_code", $this->user_verification_code);
    if ($statement->execute()) {
        return true;
    } else {
        return false;
    }
}
```

➤ **Fetch User ChatUser.php:**

```
function get_user_all_data()
{
    $query = "SELECT * FROM chat_user_table";
    $statement = $this->connect->prepare($query);
    $statement->execute();
    $data = $statement->fetchAll(PDO::FETCH_ASSOC);
    return $data;
}
```

➤ **Update User ChatUser.php:**

```
function update_data()
{
    $query = "UPDATE chat_user_table SET user_name = :user_name, user_email = :user_email, user_password = :user_password, user_profile = :user_profile WHERE user_id = :user_id";
    $statement = $this->connect->prepare($query);
    $statement->bindParam(":user_name", $this->user_name);
    $statement->bindParam(":user_email", $this->user_email);
    $statement->bindParam(":user_password", $this->user_password);
    $statement->bindParam(":user_profile", $this->user_profile);
    $statement->bindParam(":user_id", $this->user_id);
    if ($statement->execute()) {
        return true;
    } else {
        return false;
    }
}
```

➤ **Save Chat ChatRooms.php:**

```
function save_chat()
{
    $query = "INSERT INTO chatrooms (userid, msg, created_on) VALUES (:userid, :msg, :created_on)";
    $statement = $this->connect->prepare($query);
    $statement->bindParam(":userid", $this->user_id);
    $statement->bindParam(":msg", $this->message);
    $statement->bindParam(":created_on", $this->created_on);
    $statement->execute();
}
```

➤ **Fetch Chat ChatRooms.php:**

```
function get_all_chat_data()
{
    $query = "SELECT * FROM chatrooms INNER JOIN chat_user_table ON chat_user_table.user_id = chatrooms.userid ORDER BY chatrooms.id ASC";
    $statement = $this->connect->prepare($query);
    $statement->execute();
    return $statement->fetchAll(PDO::FETCH_ASSOC);
}
```

## Output

### ➤ Register Page:

## PHP Chat Application using Websocket

Register

Enter Your Name

Enter Your E-mail

Enter Your Password

Register

### ➤ Login Page:

## PHP Chat Application using Websocket

Login

Enter Your E-mail

Enter Your Password

Login

## ➤ Profile Page:

### PHP Chat Application using Websocket

Profile

Goto Chat

Enter Your Name

sohil

Enter Your E-mail

SOHILVORA2000@GMAIL.COM

Enter Your Password

\*\*\*\*\*

Profile

Choose File

No file chosen

S

Edit

## ➤ Group Chat Page:

### PHP Chat Application using Websocket

Chatroom

Private Chat

Zaid - I m fine

19-04-2024 01:30:27

Zaid - hello

19-04-2024 05:54:46

Type Message Here...

S

sohil

Edit Logout

User List

Zaid

➤ **Private Chat Page:**

