

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.

```
add-employee.php M X
db_demo > add-employee.php > ...
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.

```
edit-employee.php X
db_demo > edit-employee.php > ...
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	Delete Edit

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:

Modernize Free

localhost / 127.0.0.1 | phpMyAdmin

localhost / 127.0.0.1 | phpMyAdmin

192.168.43.1 | Icon Archive - Search... | Best PDF Converter... | W3Layouts 3784+... | BOI | Bank of India | https://mvp.in/Account | Imported From Fire... | Noble University | HP Notebook PCs | localhost / 127.0.0.1... | Client Management... | All Bookmarks

HOME

- Dashboard
- Add Product
- View Product

Add Product

Product Name

Product Price

Product Detail

Submit Reset View Product

➤ Edit product Page:

Modernize Free

localhost / 127.0.0.1 | phpMyAdmin

localhost / 127.0.0.1 | phpMyAdmin

192.168.43.1 | Icon Archive - Search... | Best PDF Converter... | W3Layouts 3784+... | BOI | Bank of India | https://mvp.in/Account | Imported From Fire... | Noble University | HP Notebook PCs | localhost / 127.0.0.1... | Client Management... | All Bookmarks

HOME

- Dashboard
- Add Product
- View Product

Add Product

Product Name

Product Price

Product Detail

Update

➤ Display and Delete product Page:

Modernize Free

localhost / 127.0.0.1 | phpMyAdmin

localhost / 127.0.0.1 | phpMyAdmin

192.168.43.1 | Icon Archive - Search... | Best PDF Converter... | W3Layouts 3784+... | BOI | Bank of India | https://mvp.in/Account | Imported From Fire... | Noble University | HP Notebook PCs | localhost / 127.0.0.1... | Client Management... | All Bookmarks

HOME

- Dashboard
- Add Product
- View Product

Products

Id	Name	Price	Detail	Action
1	50w led bulb	750	abcd	Delete Edit

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    $q = mysqli_query($con, "insert into order_master(order_date,user_id,product_name,product_qty,order_status)values('{$order_date}','{$user_id}','{$product_name}','{$product_qty}','{$order_status}')") or die(mysqli_error($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 $q = mysqli_query($con, "SELECT * FROM order_master where user_id='{$_SESSION['user_id']}'") or die(mysqli_error($con));
34 $i = 1;
35 if (mysqli_num_rows($q) != 0) {
36     while ($r = mysqli_fetch_array($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 } else {
50     <tr>
51         <td colspan="5">No Records Found</td>
52     </tr>
53 </table>
54 <?php
55 }
56 ?>
57 </table>
58
```

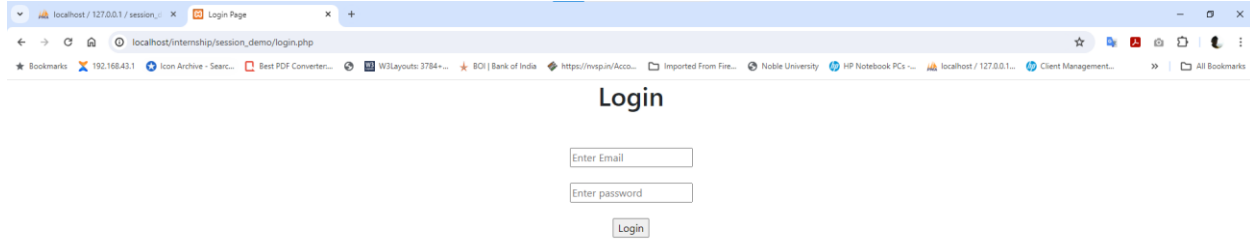
➤ logout.php

- 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 ?>
```

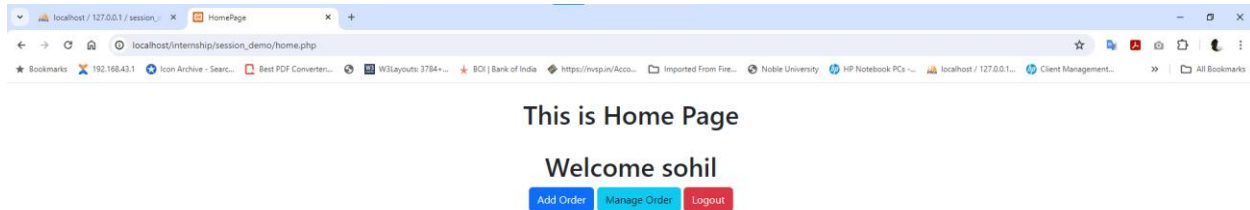
Output

➤ Login Page:



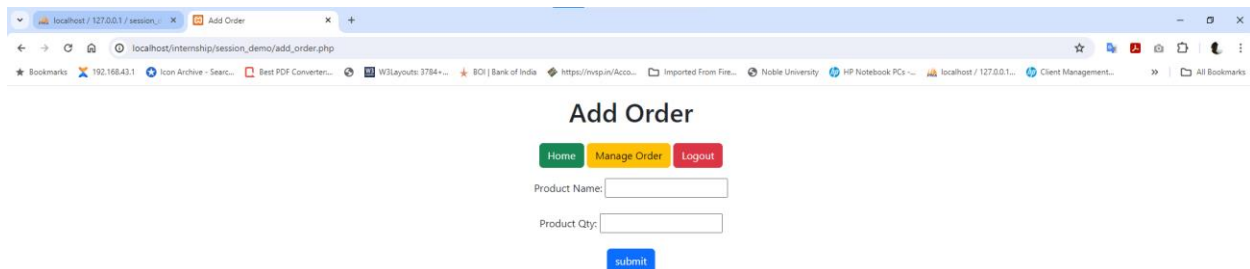
A screenshot of a web browser showing the login page. The browser's address bar displays 'localhost / 127.0.0.1 / session_'. The page has a title 'Login Page' and a URL 'localhost/internship/session_demo/login.php'. The main content area is titled 'Login' and contains three input fields: 'Enter Email',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

➤ Index Page:



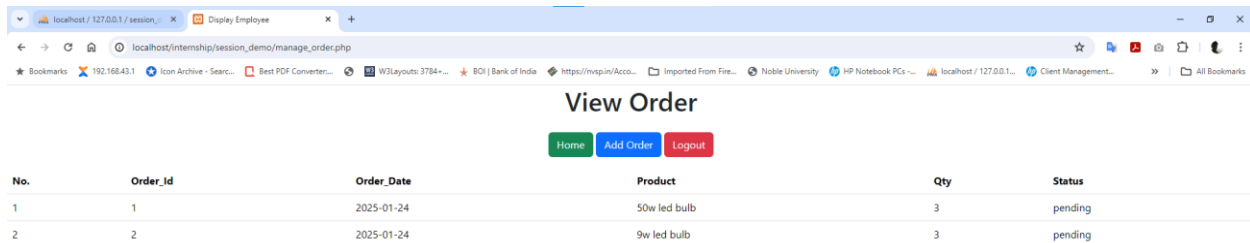
A screenshot of a web browser showing the index page. The browser's address bar displays 'localhost / 127.0.0.1 / session_'. The page has a title 'HomePage' and a URL 'localhost/internship/session_demo/home.php'. The main content area is titled 'This is Home Page' and contains a welcome message 'Welcome sohil' and three buttons: 'Add Order', 'Manage Order', and 'Logout'.

➤ 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', 'Manage Order', and 'Logout'. Below these buttons are two input fields: 'Product Name:' and 'Product Qty:', followed by a 'submit' button.

➤ 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', 'Add Order', and 'Logout'. Below these 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.

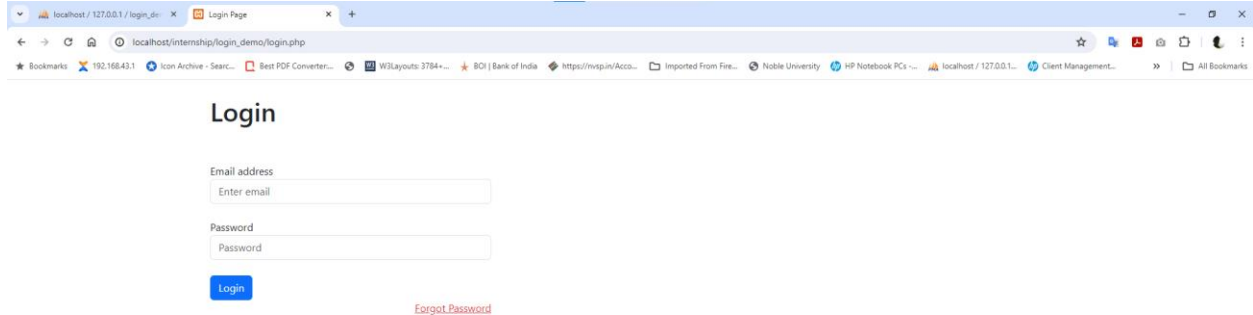
```
login_demo > changepass.php > ...
1 <?php
2 session_start();
3 require("dbconnect.php");
4 if (!isset($_SESSION['u_email'])) {
5     echo "<script>alert('Login Required');window.location='login.php';</script>";
6 }
7 if ($_POST) {
8     $opass = $_POST['ops'];
9     $npass = $_POST['nps'];
10    $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 ?>
```

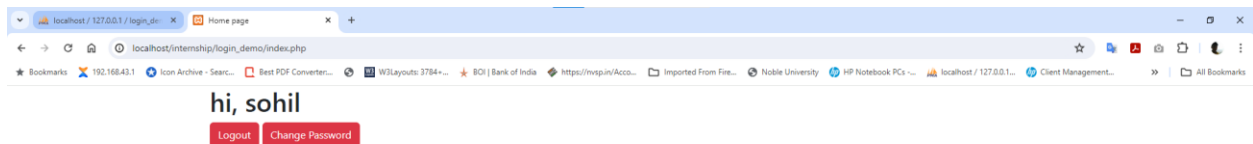
Output

➤ Login Page:



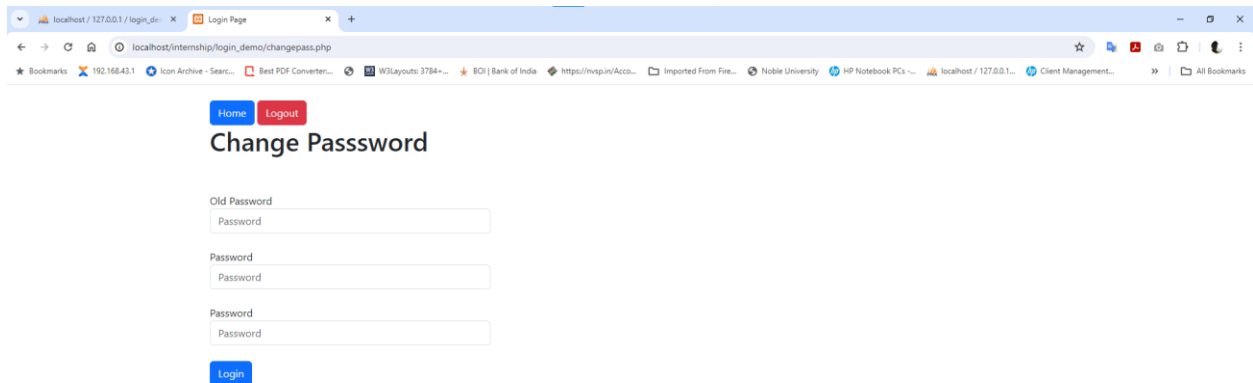
A screenshot of a web browser displaying the 'Login Page'. The browser's address bar shows 'localhost / 127.0.0.1 / login_demo/login.php'. The page has a light blue header with the title 'Login'. Below the header, there are two input fields: 'Email address' with a placeholder 'Enter email' and 'Password' 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:



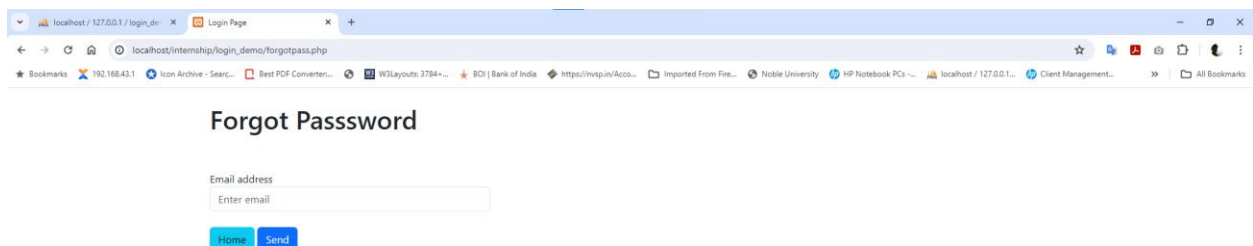
A screenshot of a web browser displaying the 'Index Page'. The browser's address bar shows 'localhost / 127.0.0.1 / login_demo/index.php'. The page has a light blue header with the title 'hi, sohil'. Below the header, there are two red buttons: 'Logout' and 'Change Password'.

➤ 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 wents 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 wents 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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STORE
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:

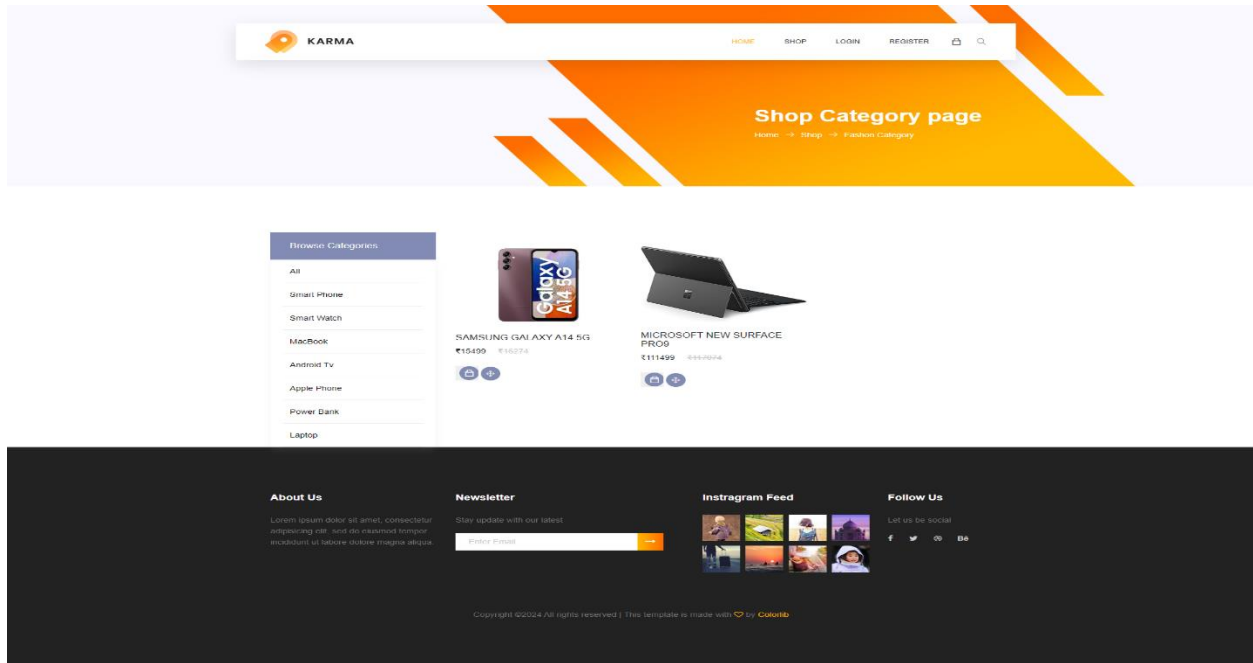
```
index.php M cart_process.php X
ecommerce_demo > cart_process.php > ...
1 <?php
2 session_start();
3 include "include/dbconnect.php";
4 if (!isset($_SESSION['user'])) {
5     header("location:login.php");
6 }
7 if (isset($_POST['addtocart'])) {
8     $pro_id = mysqli_real_escape_string($con, $_POST['pro_id']);
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:

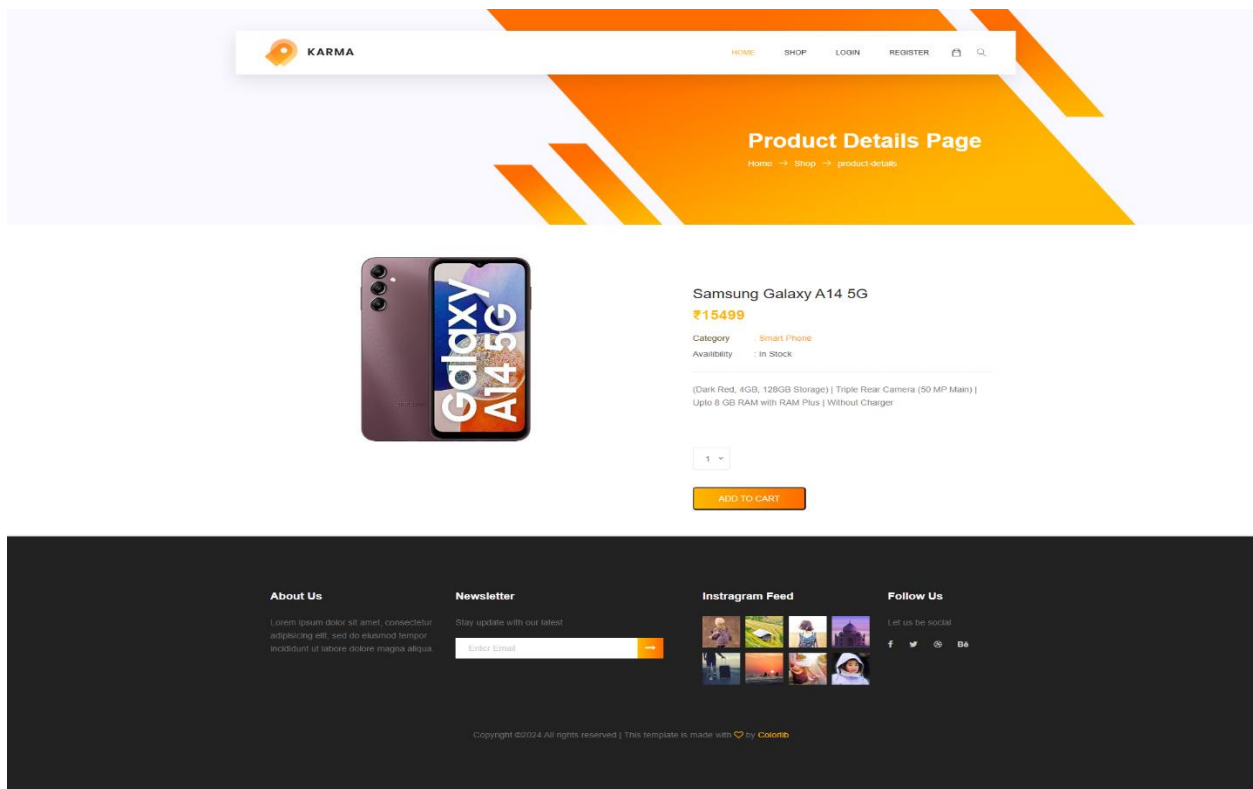
```
index.php M checkout.php M X
ecommerce_demo > checkout.php > ...
1 <?php
2 session_start();
3 include "include/dbconnect.php";
4 if (!isset($_SESSION['user'])) {
5     header("location:login.php");
6 }
7 if ($_POST) {
8     $shipping_name = mysqli_real_escape_string($con, $_POST['shipping_name']);
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 = '" . $cartd['cart_id'] . "'");
28 }
29 if ($deletecart) {
30     echo "<script>alert('Thanks for shopping...');window.location='index.php'</script>";
31 }
32 }
33 }
34 ?>
```

Output

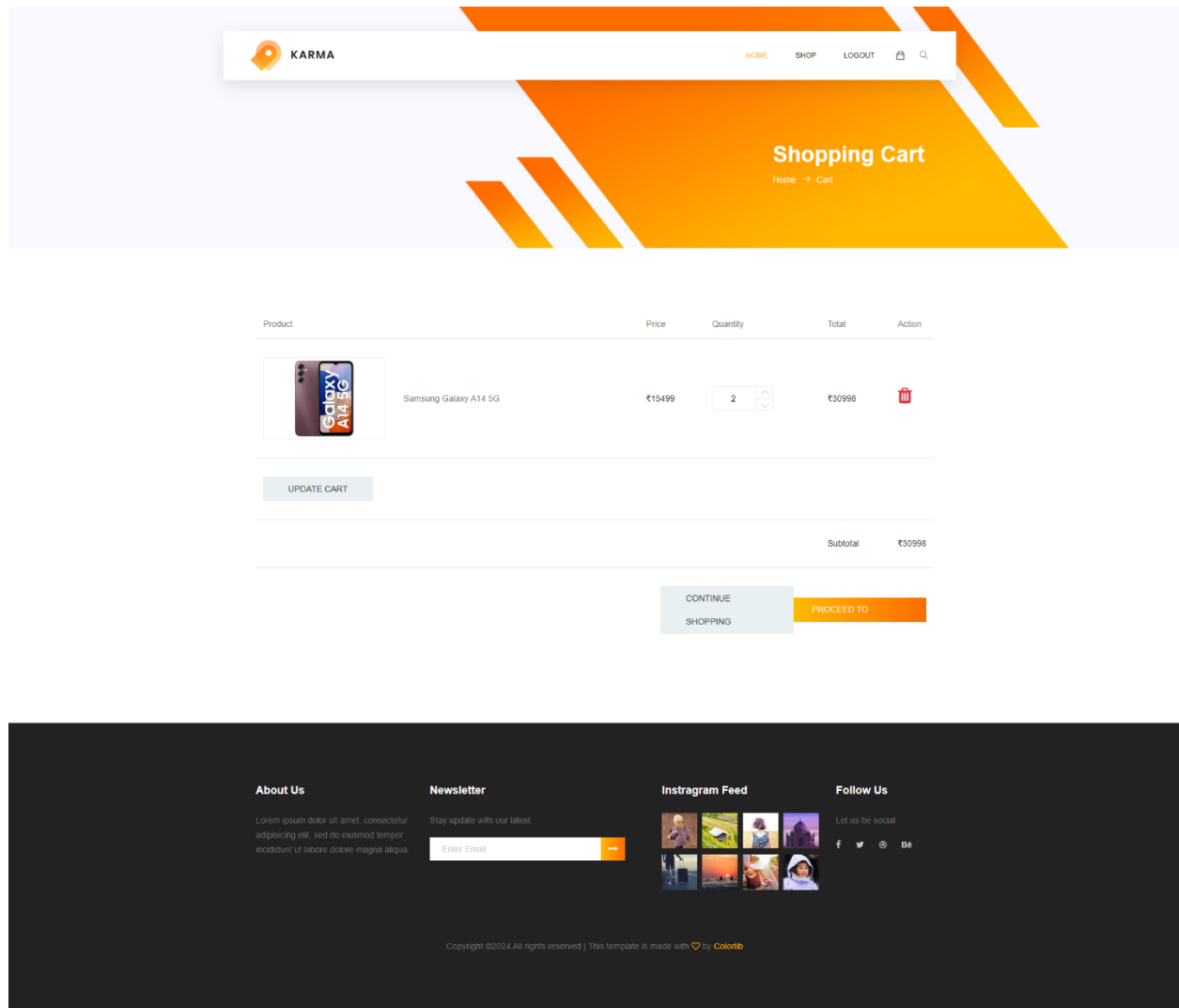
➤ Shop Page:



➤ Product Detail Page:



➤ Cart Page:



➤ Checkout Page:

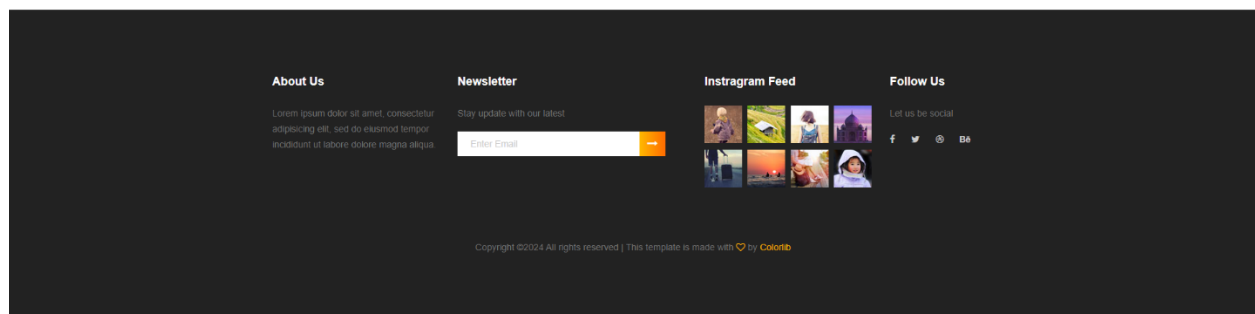


Your Order			
Product			Total
Samsung Galaxy A14 5G	₹15499	x 2	₹30998
SUBTOTAL			₹30998
SHIPPING			Flat Rate: ₹50
TOTAL			₹31048

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 ×
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 ×
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 ×
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:

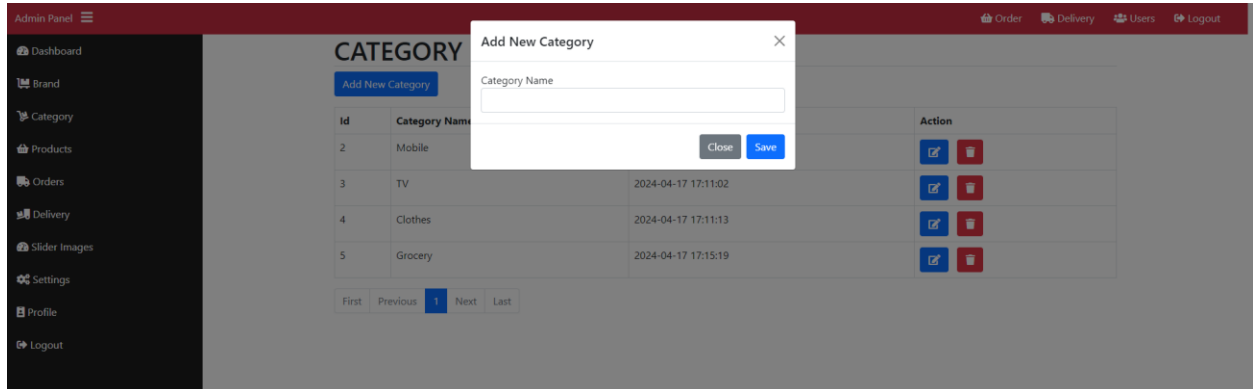
```
Crud.php 9+. M X
ecommerce_pda_demo > class > Crud.php > Crud > update
91 public function pagination($table_name, $no_of_records_per_page)
92 {
93     $query = "SELECT COUNT(*) FROM $table_name";
94     $stmt = $this->db->prepare($query);
95     $stmt->execute();
96     $total_records = $stmt->fetchColumn();
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:

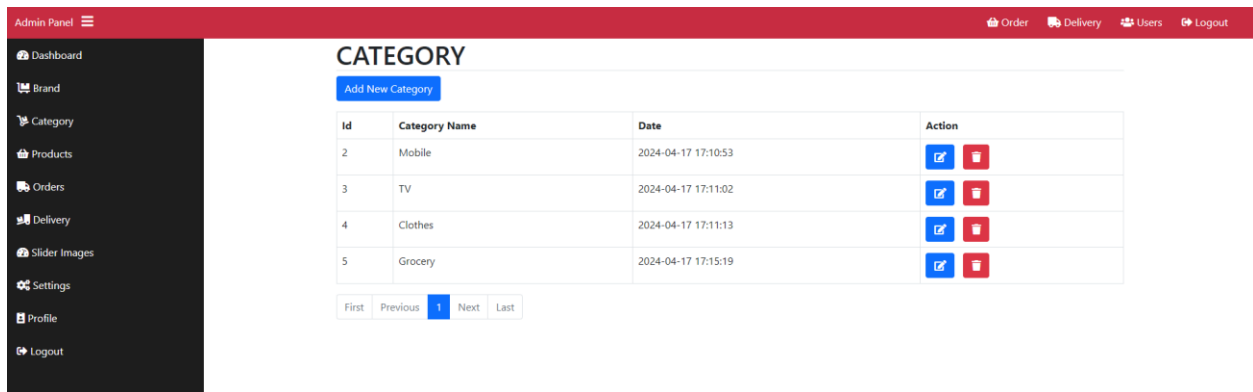
```
Crud.php 9+. M Db.php 1 X
ecommerce_pda_demo > class > Db.php > Db > $database
1 <?php
2 class Db
3 {
4     private $host = 'localhost';
5     private $username = 'root';
6     private $password = '';
7     private $database = 'pdo_ecommerce_demo';
8
9     public function __construct()
10     {
11         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:

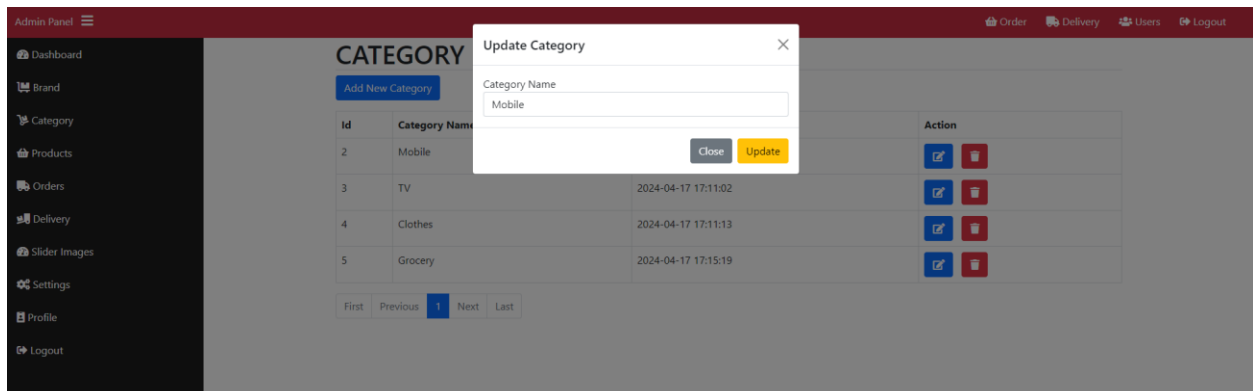
➤ Add Category: Admin Panel:



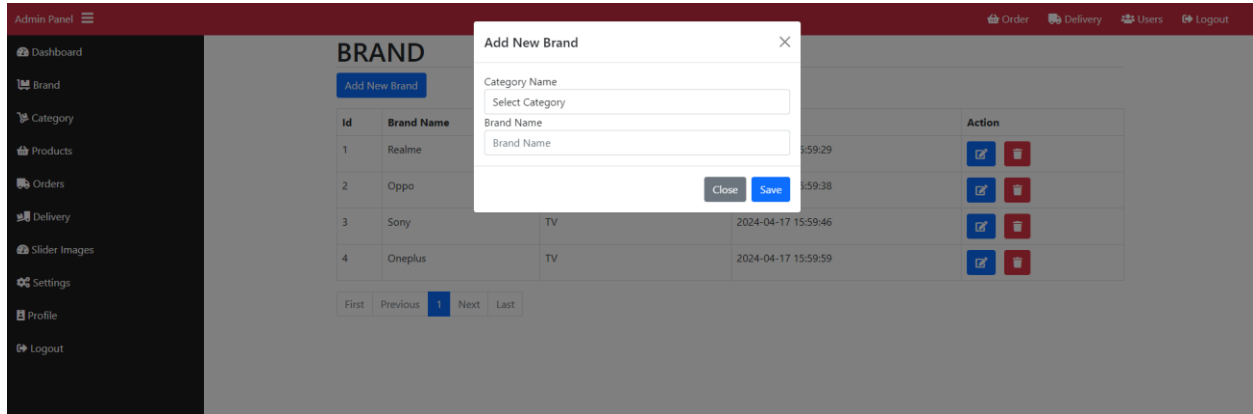
➤ Display & Delete Category: Admin Panel:



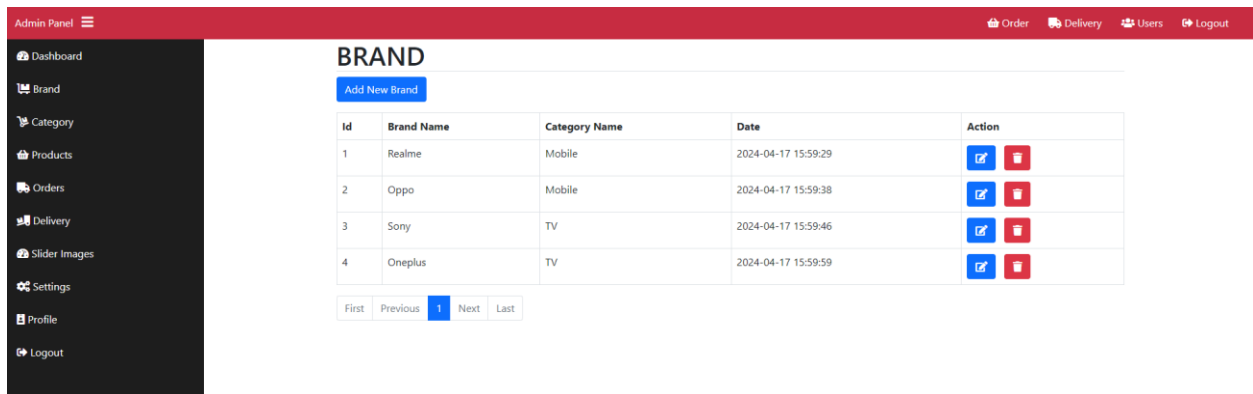
➤ Update Category: Admin Panel:



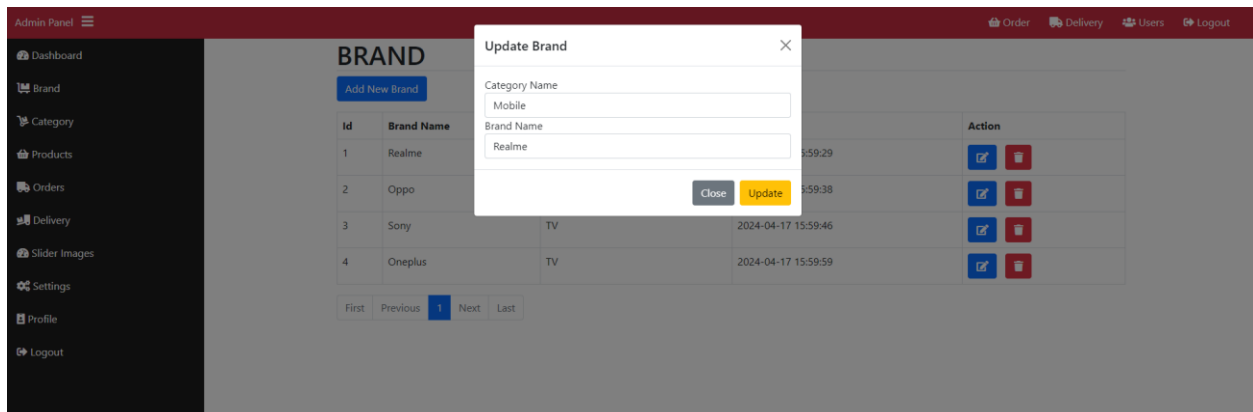
➤ Add Category: Admin Panel:



➤ Display & Delete Category: Admin Panel:



➤ Update Category: Admin Panel:



➤ Add Product: Admin Panel:

The screenshot shows the 'Add New Product' modal form. It includes fields for Product Title, Category Name, Brand Name, Regular Price, Product Regular Price, Product Thumbnail, Short Description, Long Description, and Add More Thumbnails. There are also buttons for 'Close' and 'Save'.

Admin Panel

Order Delivery Users Logout

Dashboard Brand Category Products Orders Delivery Slider Images Settings Profile Logout

ALL PRODUCTS

Add New Product

Product Title

Product Title

Category Name

Select Category

Brand Name

Select Category First

Regular Price

Product Regular Price

Selling Price

Product Selling Price

Product Thumbnail

Choose File No file chosen

Short Description

Product Short Description

Long Description

Product Long Description

Add More Thumbnails

Choose File No file chosen

Add

Close Save

➤ Display & Delete Product: Admin Panel:

The screenshot shows the 'ALL PRODUCTS' table. It has columns for Id, Product Thumbnail, Product Title, Regular Price, Selling Price, Short Description, Long Description, Date, and Action. The first row shows a product with Id 1, titled 'Realme 12 5g Mobile Realme', with a regular price of 17999 and a selling price of 15999. The Action column contains edit and delete icons.

Admin Panel

Order Delivery Users Logout

Dashboard Brand Category Products Orders Delivery Slider Images Settings Profile Logout

ALL PRODUCTS

Add New Product +

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

First Previous 1 Next Last

➤ Update Product: Admin Panel:

The screenshot shows the 'Add New Product' modal form. It includes fields for Product Title, Category Name, Brand Name, Regular Price, Product Regular Price, Product Thumbnail, Short Description, Long Description, and Add More Thumbnails. There are also buttons for 'Close' and 'Save'.

Admin Panel

Order Delivery Users Logout

Dashboard Brand Category Products Orders Delivery Slider Images Settings Profile Logout

ALL PRODUCTS

Add New Product

Product Title

Product Title

Category Name

Select Category

Brand Name

Select Category First

Regular Price

Product Regular Price

Selling Price

Product Selling Price

Product Thumbnail

Choose File No file chosen

Short Description

Product Short Description

Long Description

Product Long Description

Add More Thumbnails

Choose File No file chosen

Add

Close Save

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:**

