Lab#6(a) Implement a category and product management page with insert, update and delete operations.
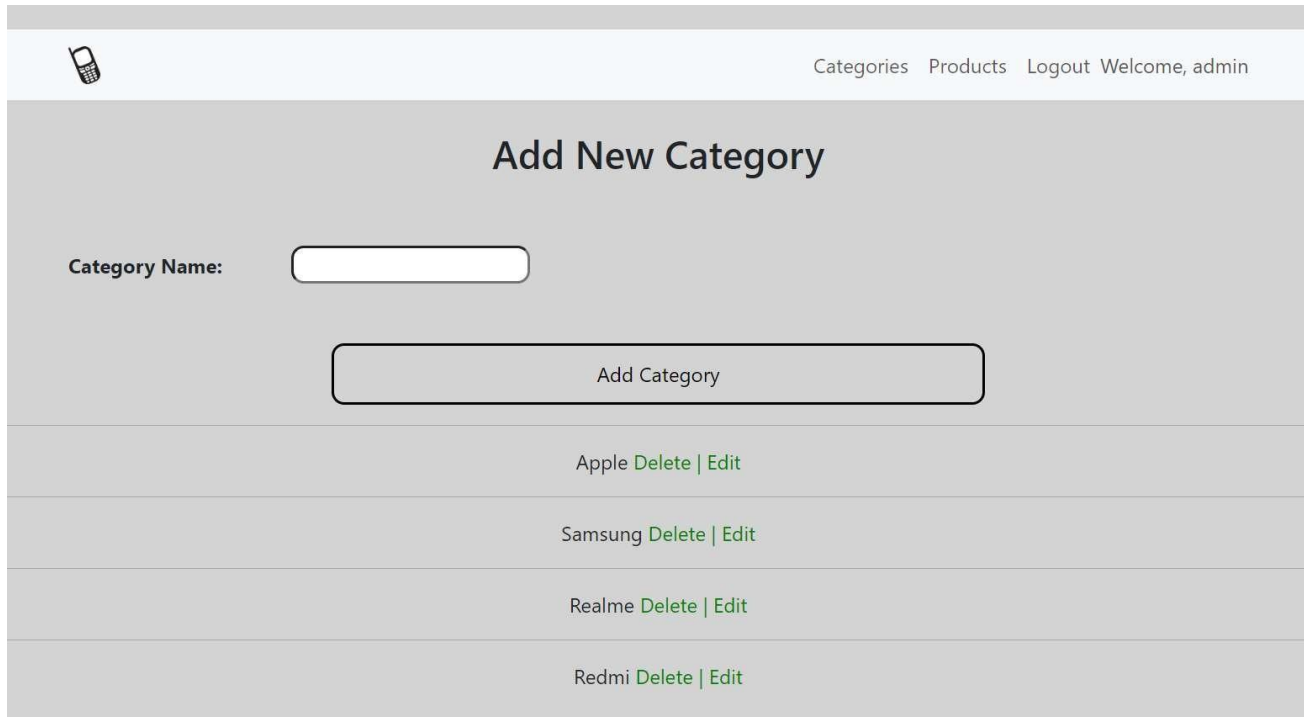
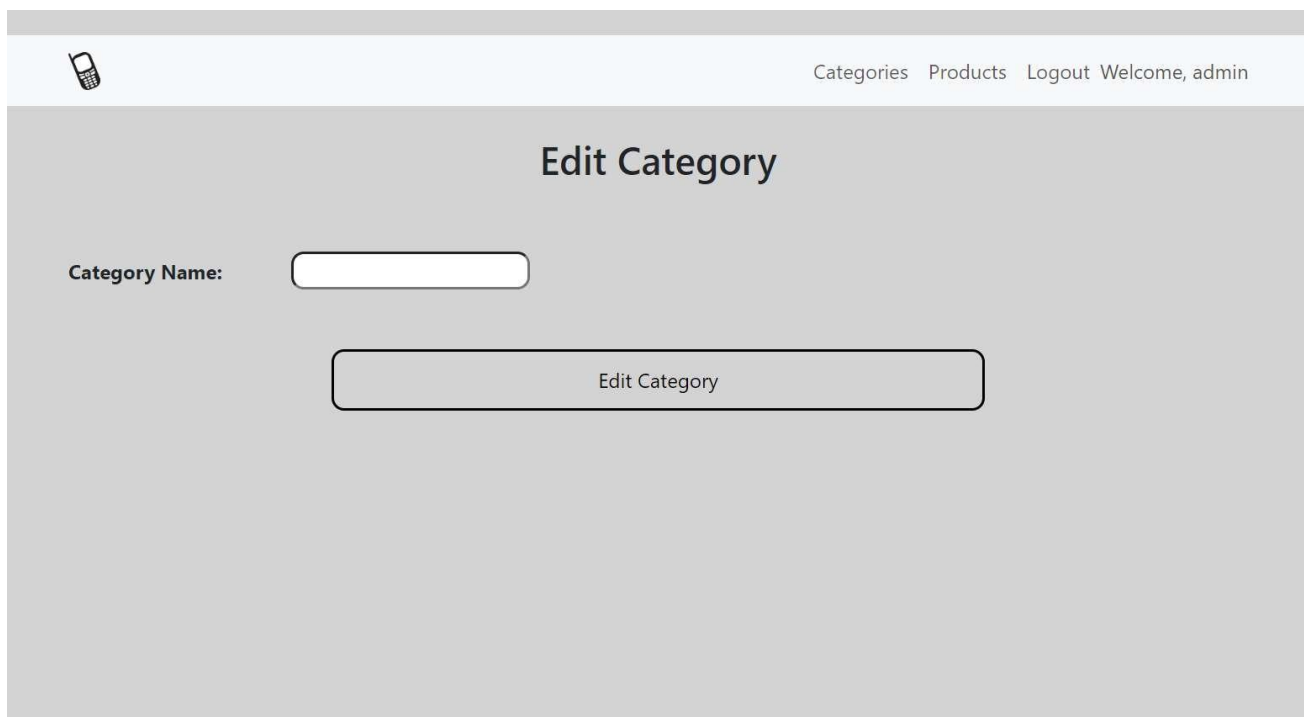| TAGS USED	ATTRIBUTES USED	DESCRIPTION
<?php?>	--	PHP's opening and closing tags. Statements within these two are interpreted by the parser.
CLASS	PUBLIC, PRIVATE OR PROECTED	The class keyword is used for class name resolution. This means it returns the fully qualified Class Name.
PUBLIC	--	Used to make class, method, variable etc. assessable anywhere in the program.
PRIVATE	--	Used to make class, method, variable etc. assessable inside class only.
ECHO	--	It displays the output on the browser.
__CONSTRUCT	--	If you create a_construct() function, PHP will automatically call this function when you create an object from a class.
THIS	--	It refers to a calling object.
PHP_EOL	BORDER	It gives you the newline character of the operating system you're working on.
 	--	Insert line break(single).
mysqli_connect()	--	Opens a new connection to the MySQL server.
include	--	Include an php file.

Final Outcome:

Categories   Products   Logout Welcome, admin

Add New Category

Category Name:

Add Category

Apple Delete | Edit

Samsung Delete | Edit

Realme Delete | Edit

Redmi Delete | Edit

Categories   Products   Logout Welcome, admin

Edit Category

Category Name:

Edit Category

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Lab #6(a)

Lab #6(a)

Code Snippet:

Adminnav.php

```php
<?php
session_start();
$name = $_SESSION['user'];
echo '<nav class="navbar navbar-expand-lg navbar-light bg-light">
    <div class="container">
      <a class="navbar-brand" href="admin_home.php">
        <img src="../logo.png" alt="Logo">
      </a>
      <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-icon"></span>
      </button>
      <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ms-auto">
          <li class="nav-item">
            <a class="nav-link" href="categorymanagement.php">Categories</a>
          </li>
          <li class="nav-item">
            <a class="nav-link" href="productmanagement.php">Products</a>
          </li>
          <li class="nav-item">
```
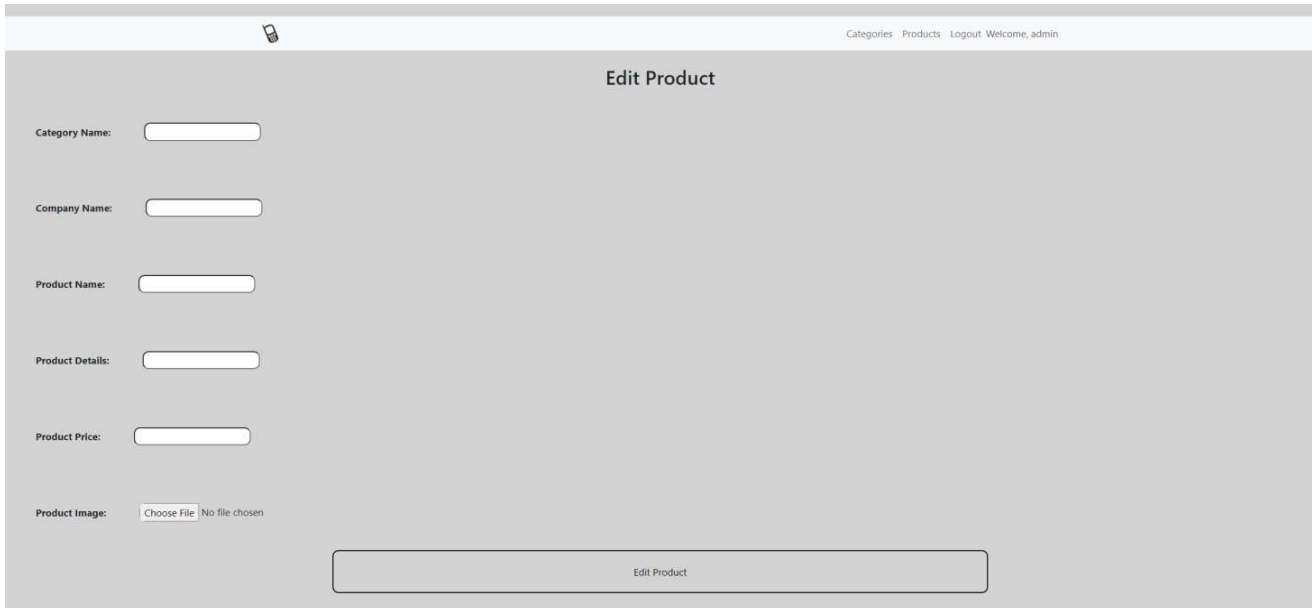
```
            <a class="nav-link" href="logout.php">Logout</a>
        </li>';
        if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
            echo '<li style="padding-top: 8px; color: #575757;">
                Welcome, '.$name.'
            </li>';

        }
        else{
            echo '<li class="nav-item">
                    <a class="nav-link" href="registration.php">Registration</a>
                </li>
                <li class="nav-item">
                    <a class="nav-link" href="index.php">Sign In</a>
                </li>';
        }
        echo '</ul>
    </div>
  </div>
</nav>';
?>
```

Categorymanagement.php

```php
<?php
include 'adminnav.php';
?>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Category Management</title>
    <!-- Bootstrap 5 CSS link -->
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.3.0/css/bootstrap.min.css">
    <link rel="stylesheet" type="text/css" href="../style.css">
</head>
<body>
    <br>
    <center><h2>Add New Category</h2></center>
    <form action="<?php echo htmlspecialchars($_SERVER['PHP_SELF']); ?>" method="post">
        <input type="hidden" name="category_id" value="">
        <label for="category_name" style="padding: 50px;"><b>Category Name:</b></label>
        <input type="text" name="category_name" required style="border-radius: 10px;"><br>
```

```html
    <center><button type="submit" name="add_category" style="width: 50%; padding:1%;">Add
Category</button></center>
  </form>
</body>
</html>
```

```php
<?php

include'../database.php';
if (isset($_POST['add_category'])) {
  $category_name = $_POST['category_name'];

  $sql = "INSERT INTO category (name) VALUES ('$category_name')";

  if ($conn->query($sql) === TRUE) {
    header("Location: categorymanagement.php"); // Redirect to admin panel
  } else {
    echo "Error: " . $sql . "<br>" . $conn->error;
  }
}

// Edit category
if (isset($_POST['edit_category'])) {
  $category_id = $_POST['category_id'];
  $category_name = $_POST['category_name'];

  $sql = "UPDATE category SET name='$category_name' WHERE  id=$category_id";

  if ($conn->query($sql) === TRUE) {
    header("Location: categorymanagement.php"); // Redirect to admin panel
  } else {
    echo "Error: " . $sql . "<br>" . $conn->error;
  }
}

// Delete category
if (isset($_GET['delete_category'])) {
  $category_id = $_GET['delete_category'];

  $sql = "DELETE FROM category WHERE id=$category_id";

  if ($conn->query($sql) === TRUE) {
    header("Location: categorymanagement.php"); // Redirect to admin panel
  } else {
```

```php
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}

$sql = "SELECT * FROM category";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    while ($row = $result->fetch_assoc()) {
        echo "<hr>";
        echo "<p style='text-align:center;'>{$row['name']}
            <a href='categorymanagement.php?delete_category={$row['id']}' style='color:green; text-
decoration:none;'>Delete</a>
            <a href='edit_category.php?edit_category_id={$row['id']}'style='color:green; text-
decoration:none;'>| Edit</a></p>";
    }
} else {
    echo "<br><br><p style='color:green; text-align:center; font-size:25px;'>No categories found.</p>";
}

$conn->close();
?>
```

Editcategory.php

```php
<?php
$category_id = $_GET['edit_category_id'];
include '../database.php';
if (isset($_GET['edit_category'])) {
    $category_id = $_GET['edit_category_id'];
    $category_name = $_GET['category_name'];


    $sql = "UPDATE category SET name='$category_name' WHERE  id=$category_id";

    if ($conn->query($sql) === TRUE) {
        header("Location: categorymanagement.php"); // Redirect to admin panel
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}
?>
<?php
include 'adminnav.php';
?>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Edit Category</title>
   <!-- Bootstrap 5 CSS link -->
   <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.3.0/css/bootstrap.min.css">
   <link rel="stylesheet" type="text/css" href="../style.css">
</head>
<body>
   <br>
   <center><h2>Edit Category</h2></center>
     <form action="<?php echo htmlspecialchars($_SERVER['PHP_SELF']); ?>" method="GET">
         <input type="hidden" name="edit_category_id" value="<?php echo $category_id; ?>">
         <label for="category_name" style="padding: 50px;"><b>Category Name:</b></label>
         <input type="text" name="category_name" required style="border-radius: 10px;"><br>
       <center><button type="submit" name="edit_category" style="width: 50%; padding:1%;">Edit
Category</button></center>
   </form>
</body>
</html>
```

Productmanagement.php

```php
<?php
include 'adminnav.php';
?>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Product Management</title>
   <!-- Bootstrap 5 CSS link -->
   <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.3.0/css/bootstrap.min.css">
   <link rel="stylesheet" type="text/css" href="../style.css">
</head>
<body>
   <br>
   <center><h2>Products</h2></center>
   <form action="<?php echo htmlspecialchars($_SERVER['PHP_SELF']); ?>" method="post">
```

```html
<input type="hidden" name="product_id" value="">

<label for="cat_name" style="padding: 50px;"><b>Category Name:</b></label>
<input type="text" name="cat_name" required style="border-radius: 10px;"><br>

<label for="com_name" style="padding: 50px;"><b>Company Name:</b></label>
<input type="text" name="com_name" required style="border-radius: 10px;"><br>

<label for="prod_name" style="padding: 50px;"><b>Product Name:</b></label>
<input type="text" name="prod_name" required style="border-radius: 10px;"><br>

<label for="prod_details" style="padding: 50px;"><b>Product Details:</b></label>
<input type="text" name="prod_details" required style="border-radius: 10px;"><br>

<label for="prod_price" style="padding: 50px;"><b>Product Price:</b></label>
<input type="text" name="prod_price" required style="border-radius: 10px;"><br>

<label for="prod_img" style="padding: 50px;"><b>Product Image:</b></label>
<input type="file" name="prod_image" required style="border-radius: 10px;"><br>

<center><button type="submit" name="add_product" style="width: 50%; padding:1%;">Add
Product</button></center>

</form>
</body>
</html>
```

```php
<?php

include'../database.php';
 if (isset($_POST['add_product'])) {
   $cat_name = $_POST['cat_name'];
  $com_name = $_POST['com_name'];
  $prod_name = $_POST['prod_name'];
  $prod_details = $_POST['prod_details'];
  $prod_price = $_POST['prod_price'];
  $prod_image = $_POST['prod_image'];

  $sql = "INSERT INTO product
(cat_name,com_name,prod_name,prod_details,prod_price,prod_image) VALUES
('$cat_name','$com_name','$prod_name','$prod_details','$prod_price','$prod_image')";

  if ($conn->query($sql) === TRUE) {
    header("Location: productmanagement.php"); // Redirect to admin panel
```

```php
  } else {
     echo "Error: " . $sql . "<br>" . $conn->error;
  }
}

// Edit category
if (isset($_POST['edit_product'])) {
   $product_id = $_POST['product_id'];
   $cat_name = $_POST['cat_name'];
   $com_name = $_POST['com_name'];
   $prod_name = $_POST['prod_name'];
   $prod_details = $_POST['prod_details'];
   $prod_price = $_POST['prod_price'];
   $prod_image = $_POST['prod_image'];

   $sql = "UPDATE product SET
cat_name='$cat_name'com_name='$com_name'prod_name='$prod_name'prod_details='$prod_details'
prod_price='$prod_price'prod_image='$prod_image', WHERE id=$product_id";

   if ($conn->query($sql) === TRUE) {
      header("Location: productmanagement.php"); // Redirect to admin panel
   } else {
      echo "Error: " . $sql . "<br>" . $conn->error;
   }
}

// Delete category
if (isset($_GET['delete_product'])) {
   $product_id = $_GET['delete_product'];

   $sql = "DELETE FROM product WHERE id=$product_id";

   if ($conn->query($sql) === TRUE) {
      header("Location: productmanagement.php"); // Redirect to admin panel
   } else {
      echo "Error: " . $sql . "<br>" . $conn->error;
   }
}

$sql = "SELECT * FROM product";

$result = $conn->query($sql);

if ($result->num_rows > 0) {
   while ($row = $result->fetch_assoc()) {
      echo "<hr>";
```

Lab #6(a)

```php
        echo "<p style='text-align:center;'><b>Category: {$row['cat_name']}
        <p style='text-align:center;'>Company: {$row['com_name']}
        <p style='text-align:center;'>Name: {$row['prod_name']}
        <p style='text-align:center;'>Details: {$row['prod_details']}
        <p style='text-align:center;'>Price: {$row['prod_price']}<br>
            <a href='productmanagement.php?delete_product={$row['id']}' style='color:green; text-
decoration:none;'>Delete</a>
            <a href='edit_product.php?edit_product_id={$row['id']}'style='color:green;  text-
decoration:none;'>| Edit</a></p>";
    }
} else {
    echo "<br><br><p style='color:green; text-align:center; font-size:25px;'>No Product found.</p>";
}

$conn->close();
?>
```

Editproduct.php

```php
<?php
$product_id = $_GET['edit_product_id'];
include '../database.php';
if (isset($_GET['edit_product'])) {
    $product_id = $_GET['edit_product_id'];
    $cat_name = $_GET['cat_name'];
    $com_name = $_GET['com_name'];
    $prod_name = $_GET['prod_name'];
    $prod_details = $_GET['prod_details'];
    $prod_price = $_GET['prod_price'];
    $prod_image = $_GET['prod_image'];


    $sql = "UPDATE product
    SET cat_name='$cat_name', com_name='$com_name', prod_name='$prod_name',
prod_details='$prod_details', prod_price='$prod_price', prod_image='$prod_image' WHERE
id=$product_id";

    if ($conn->query($sql) === TRUE) {
        header("Location: productmanagement.php"); // Redirect to admin panel
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}
?>
<?php
include 'adminnav.php';
```

?>

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Edit Product</title>
    <!-- Bootstrap 5 CSS link -->
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.3.0/css/bootstrap.min.css">
    <link rel="stylesheet" type="text/css" href="../style.css">
</head>
<body>
    <br>
<center><h2>Edit Product</h2></center>
<form action="<?php echo htmlspecialchars($_SERVER['PHP_SELF']); ?>" method="GET">
    <input type="hidden" name="edit_product_id" value="<?php echo $product_id; ?>">

    <label for="cat_name" style="padding: 50px;"><b>Category Name:</b></label>
    <input type="text" name="cat_name" required style="border-radius: 10px;"><br>

    <label for="com_name" style="padding: 50px;"><b>Company Name:</b></label>
    <input type="text" name="com_name" required style="border-radius: 10px;"><br>

    <label for="prod_name" style="padding: 50px;"><b>Product Name:</b></label>
    <input type="text" name="prod_name" required style="border-radius: 10px;"><br>

    <label for="prod_details" style="padding: 50px;"><b>Product Details:</b></label>
    <input type="text" name="prod_details" required style="border-radius: 10px;"><br>

    <label for="prod_price" style="padding: 50px;"><b>Product Price:</b></label>
    <input type="text" name="prod_price" required style="border-radius: 10px;"><br>

    <label for="prod_img" style="padding: 50px;"><b>Product Image:</b></label>
    <input type="file" name="prod_image" required style="border-radius: 10px;"><br>

    <center><button type="submit" name="edit_product" style="width: 50%; padding:1%;">Edit
Product</button></center>
</form>
</body>
</html>
```

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Lab #6(b)

Lab#6(b) Display products on home page from DB to all users.

TAGS USED	ATTRIBUTES USED	DESCRIPTION
<?php?>	--	PHP's opening and closing tags. Statements within these two are interpreted by the parser.
CLASS	PUBLIC, PRIVATE OR PROECTED	The class keyword is used for class name resolution. This means it returns the fully qualified Class Name.
PUBLIC	--	Used to make class, method, variable etc. assessable anywhere in the program.
PRIVATE	--	Used to make class, method, variable etc. assessable inside class only.
ECHO	--	It displays the output on the browser.
__CONSTRUCT	--	If you create a _construct() function, PHP will automatically call this function when you create an object from a class.
THIS	--	It refers to a calling object.
PHP_EOL	BORDER	It gives you the newline character of the operating system you're working on.
 	--	Insert line break(single).
mysqli_connect()	--	Opens a new connection to the MySQL server.
Include	--	Include an php file.

![Marwadi University logo]

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Lab #6(b)

Final Outcome:

Home.php

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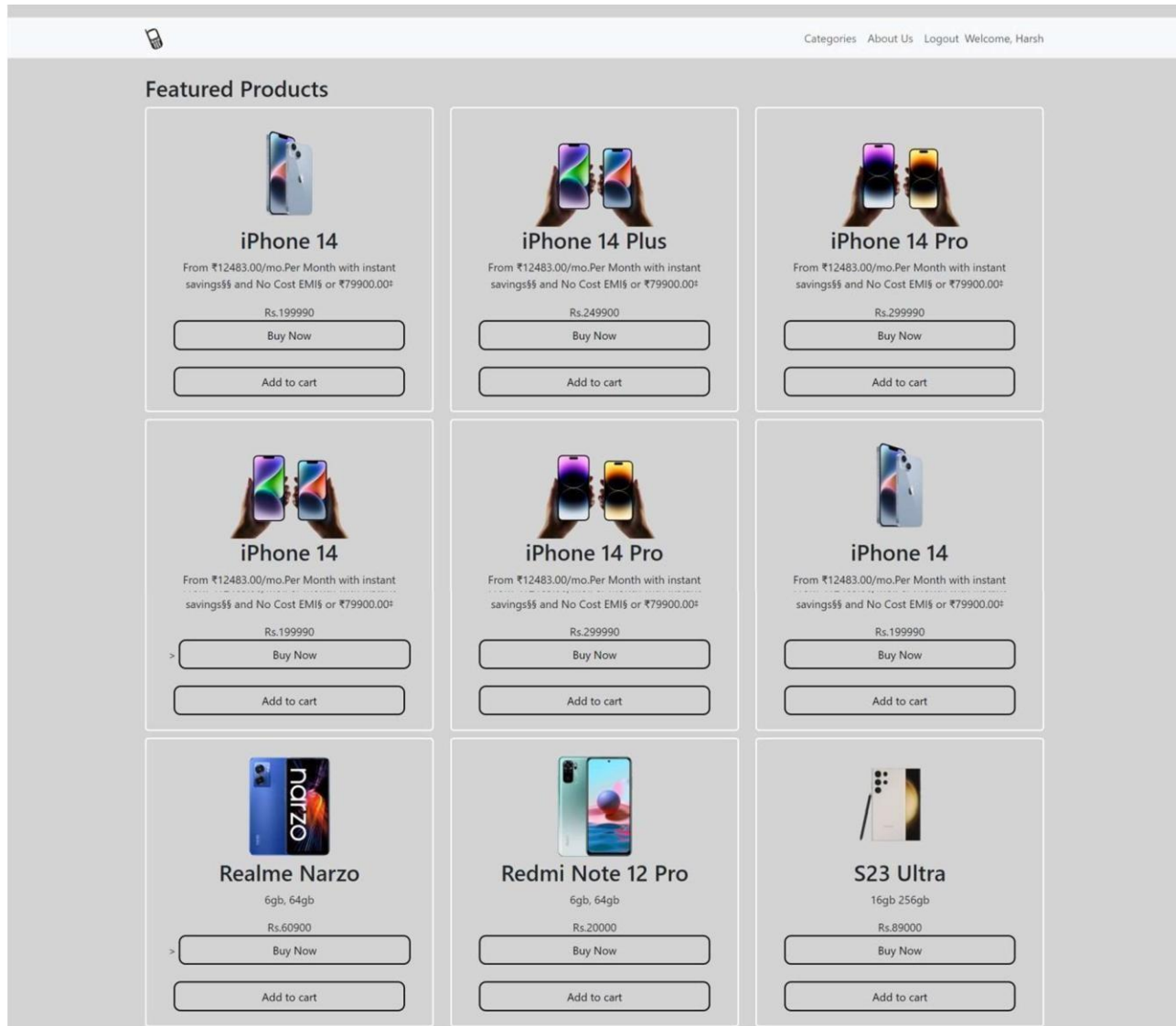
Lab #6(b)

Categories.php

Lab #6(b)

Code Snippet:

Home.php

```php
<?php include 'database.php';?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mobile Shopping App</title>
  <!-- Bootstrap 5 CSS link -->
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.3.0/css/bootstrap.min.css">
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<?php include 'nav.php'?>
<body>

  <!-- Product Listing -->
  <div class="container">
    <br>
    <h2>Featured Products</h2>
    <center>
    <div class="row">
      <div class="col-md-4">
        <div class="product-item">
          <img src="productimages/14.png" alt="iPhone 14" style="height: 150px;">
          <?php
          $sql = "SELECT * FROM product where prod_name='iPhone 14'";
          $result = $conn->query($sql);

          $products = [];

          if ($result->num_rows > 0) {
            while ($row = $result->fetch_assoc()) {
              $products[] = $row;
            }
          }
          ?>
          <?php foreach ($products as $product) { ?>
            <div class="product">
              <h2><?php echo $product['prod_name']; ?></h2>
              <p><?php echo $product['prod_details']; ?></p>
              <span>Rs.<?php echo $product['prod_price']; ?></span>
            </div>
```
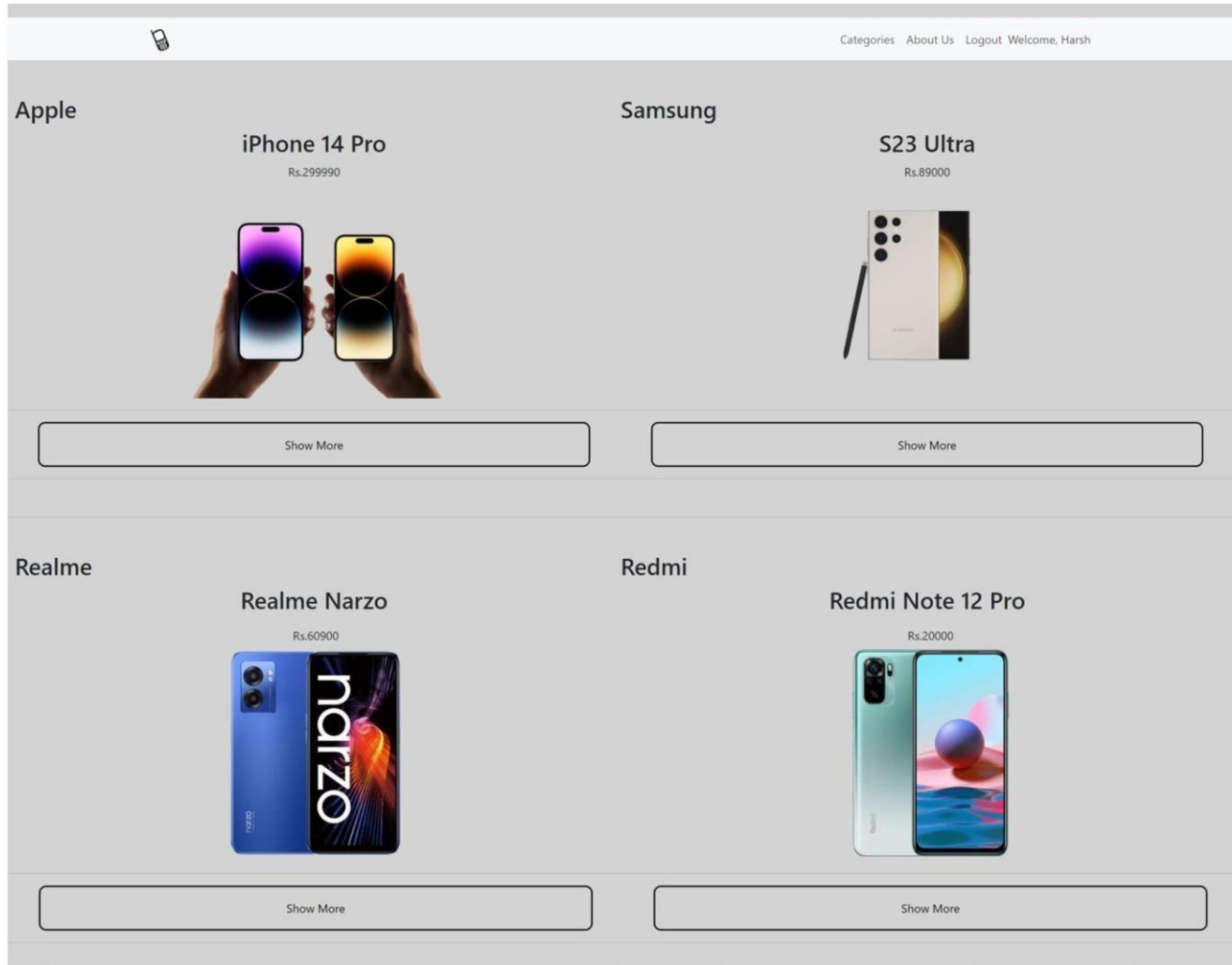
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Lab #6(b)

```php
    <?php } ?>
    <button>Buy Now</button>
    <br>
    <br>
    <button>Add to cart</button>
  </div>
</div>
<div class="col-md-4">
  <div class="product-item">
    <img src="productimages/14plus.png" alt="iPhone 14 Plus" style="height: 150px;">
    <?php
    $sql = "SELECT * FROM product where prod_name='iPhone 14 Plus'";
    $result = $conn->query($sql);

    $products = [];

    if ($result->num_rows > 0) {
      while ($row = $result->fetch_assoc()) {
        $products[] = $row;
      }
    }
    ?>
    <?php foreach ($products as $product) { ?>
      <div class="product">
        <h2><?php echo $product['prod_name']; ?></h2>
        <p><?php echo $product['prod_details']; ?></p>
        <span>Rs.<?php echo $product['prod_price']; ?></span>
      </div>
    <?php } ?>
    <button>Buy Now</button>
    <br>
    <br>
    <button>Add to cart</button>
  </div>
</div>
<div class="col-md-4">
  <div class="product-item">
    <img src="productimages/14pro.png" alt="iPhone 14 Pro" style="height: 150px;">
    <?php
    $sql = "SELECT * FROM product where prod_name='iPhone 14 Pro'";
    $result = $conn->query($sql);

    $products = [];

    if ($result->num_rows > 0) {
      while ($row = $result->fetch_assoc()) {
```

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Lab #6(b)

```
              $products[] = $row;
          }
      }
      ?>
      <?php foreach ($products as $product) { ?>
        <div class="product">
          <h2><?php echo $product['prod_name']; ?></h2>
          <p><?php echo $product['prod_details']; ?></p>
          <span>Rs.<?php echo $product['prod_price']; ?></span>
        </div>
      <?php } ?>
      <button>Buy Now</button>
      <br>
      <br>
      <button>Add to cart</button>
    </div>
  </div>
</div>
</div>
</center>
<center>
  <div class="container">
    <div class="row">
      <div class="col-md-4">
        <div class="product-item">
          <img src="productimages/14plus.png" alt="iPhone 14 Plus" style="height: 150px;">
          <?php
          $sql = "SELECT * FROM product where prod_name='iPhone 14'";
          $result = $conn->query($sql);

          $products = [];

          if ($result->num_rows > 0) {
            while ($row = $result->fetch_assoc()) {
              $products[] = $row;
            }
          }
          ?>
          <?php foreach ($products as $product) { ?>
            <div class="product">
              <h2><?php echo $product['prod_name']; ?></h2>
              <p><?php echo $product['prod_details']; ?></p>
              <span>Rs.<?php echo $product['prod_price']; ?></span>
            </div>
          <?php } ?>>
          <button>Buy Now</button>
```

```php
        <br>
        <br>
        <button>Add to cart</button>
      </div>
    </div>
    <div class="col-md-4">
      <div class="product-item">
        <img src="productimages/14pro.png" alt="iPhone 14 Pro" style="height: 150px;">
        <?php
        $sql = "SELECT * FROM product where prod_name='iPhone 14 Pro'";
        $result = $conn->query($sql);

        $products = [];

        if ($result->num_rows > 0) {
          while ($row = $result->fetch_assoc()) {
            $products[] = $row;
          }
        }
        ?>
        <?php foreach ($products as $product) { ?>
          <div class="product">
            <h2><?php echo $product['prod_name']; ?></h2>
            <p><?php echo $product['prod_details']; ?></p>
            <span>Rs.<?php echo $product['prod_price']; ?></span>
          </div>
        <?php } ?>
        <button>Buy Now</button>
        <br>
        <br>
        <button>Add to cart</button>
      </div>
    </div>
    <div class="col-md-4">
      <div class="product-item">
        <img src="productimages/14.png" alt="iPhone 14" style="height: 150px;">
        <?php
        $sql = "SELECT * FROM product where prod_name='iPhone 14'";
        $result = $conn->query($sql);

        $products = [];

        if ($result->num_rows > 0) {
          while ($row = $result->fetch_assoc()) {
            $products[] = $row;
          }
```

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```php
        }
        ?>
        <?php foreach ($products as $product) { ?>
          <div class="product">
            <h2><?php echo $product['prod_name']; ?></h2>
            <p><?php echo $product['prod_details']; ?></p>
            <span>Rs.<?php echo $product['prod_price']; ?></span>
          </div>
        <?php } ?>
        <button>Buy Now</button>
        <br>
        <br>
        <button>Add to cart</button>
      </div>
    </div>
  </div>
</center>
<center>
  <div class="container">
    <div class="row">
      <div class="col-md-4">
        <div class="product-item">
          <img src="productimages/realme.png" alt="Realme" style="height: 150px;">
          <?php
          $sql = "SELECT * FROM product where prod_name='Realme Narzo'";
          $result = $conn->query($sql);

          $products = [];

          if ($result->num_rows > 0) {
            while ($row = $result->fetch_assoc()) {
              $products[] = $row;
            }
          }
          ?>
          <?php foreach ($products as $product) { ?>
            <div class="product">
              <h2><?php echo $product['prod_name']; ?></h2>
              <p><?php echo $product['prod_details']; ?></p>
              <span>Rs.<?php echo $product['prod_price']; ?></span>
            </div>
          <?php } ?>>
          <button>Buy Now</button>
          <br>
          <br>
```

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Lab #6(b)

```php
      <button>Add to cart</button>
    </div>
</div>
<div class="col-md-4">
  <div class="product-item">
    <img src="productimages/redmi.png" alt="Redmi" style="height: 150px;">
    <?php
    $sql = "SELECT * FROM product where prod_name='Redmi Note 12 Pro'";
    $result = $conn->query($sql);

    $products = [];

    if ($result->num_rows > 0) {
      while ($row = $result->fetch_assoc()) {
        $products[] = $row;
      }
    }
    ?>
    <?php foreach ($products as $product) { ?>
      <div class="product">
        <h2><?php echo $product['prod_name']; ?></h2>
        <p><?php echo $product['prod_details']; ?></p>
        <span>Rs.<?php echo $product['prod_price']; ?></span>
      </div>
    <?php } ?>
    <button>Buy Now</button>
    <br>
    <br>
    <button>Add to cart</button>
  </div>
</div>
<div class="col-md-4">
  <div class="product-item">
    <img src="productimages/s23ultra.webp" alt="s23ultra" style="height: 150px;">
    <?php
    $sql = "SELECT * FROM product where prod_name='S23 Ultra'";
    $result = $conn->query($sql);

    $products = [];

    if ($result->num_rows > 0) {
      while ($row = $result->fetch_assoc()) {
        $products[] = $row;
      }
    }
    ?>
```

Lab #6(b)

```php
        <?php foreach ($products as $product) { ?>
          <div class="product">
            <h2><?php echo $product['prod_name']; ?></h2>
            <p><?php echo $product['prod_details']; ?></p>
            <span>Rs.<?php echo $product['prod_price']; ?></span>
          </div>
        <?php } ?>
        <button>Buy Now</button>
        <br>
        <br>
        <button>Add to cart</button>
      </div>
    </div>
   </div>
  </center>


  <!-- Bootstrap 5 JS scripts (Place these before the closing body tag) -->
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.3.0/js/bootstrap.bundle.min.js"></script>
</body>
</html>
```

Categories.php

```php
<?php include 'database.php' ?>
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Categories</title>
    <!-- Bootstrap 5 CSS -->
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
    <link rel="stylesheet" type="text/css" href="style.css">
  </head>
  <body>
    <?php include 'nav.php';?>

  </nav>
    <div class="flex-container mt-5">
      <!-- Category: Electronics -->
      <div class="category-card" class="flex-child magenta" style="width: 50%;">
        <h2 style="padding-left: 10px;">Apple</h2>
```

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Lab #6(b)

```
<center>
  <div class="product-list">
    <div>
    <?php
    $sql = "SELECT * FROM product where prod_name='iPhone 14 Pro'";
    $result = $conn->query($sql);

    $products = [];

    if ($result->num_rows > 0) {
      while ($row = $result->fetch_assoc()) {
        $products[] = $row;
      }
    }
    ?>
    <?php foreach ($products as $product) { ?>
      <div class="product">
        <h2><?php echo $product['prod_name']; ?></h2>
        <span>Rs.<?php echo $product['prod_price']; ?></span>
      </div>
    <?php } ?>
      <img src="productimages/14pro.png" height="300px">
    </div>
  </div>
  <hr>
  <?php if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
    echo '<button id="show-more-button">Show More</button>';
  } ?>

  <hr>
</center>
</div>
<div class="category-card" class="flex-child green" style="width: 50%;">
  <h2>Samsung</h2>
  <center>
    <div class="product-list">
      <div>
      <?php
      $sql = "SELECT * FROM product where prod_name='S23 Ultra'";
      $result = $conn->query($sql);

      $products = [];

      if ($result->num_rows > 0) {
        while ($row = $result->fetch_assoc()) {
          $products[] = $row;
```

```php
            }
          }
          ?>
          <?php foreach ($products as $product) { ?>
            <div class="product">
              <h2><?php echo $product['prod_name']; ?></h2>
              <span>Rs.<?php echo $product['prod_price']; ?></span>
            </div>
          <?php } ?>
            <img src="productimages/s23ultra.webp" height="300px">
            <br>
          </div>
        </div>
        <hr>
        <?php if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
          echo '<button id="show-more-button1">Show More</button>';
        } ?>
        <hr>
      </center>
    </div>
  </div>
</div>
<hr>
<div class="flex-container mt-5">
  <!-- Category: Electronics -->
  <div class="category-card" class="flex-child magenta" style="width: 50%;">
    <h2 style="padding-left: 10px;">Realme</h2>
    <center>
      <div class="product-list">
        <div>
        <?php
        $sql = "SELECT * FROM product where prod_name='Realme Narzo'";
        $result = $conn->query($sql);

        $products = [];

        if ($result->num_rows > 0) {
          while ($row = $result->fetch_assoc()) {
            $products[] = $row;
          }
        }
        ?>
        <?php foreach ($products as $product) { ?>
          <div class="product">
            <h2><?php echo $product['prod_name']; ?></h2>
            <span>Rs.<?php echo $product['prod_price']; ?></span>
          </div>
```

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Lab #6(b)

```php
        <?php } ?>
          <img src="productimages/realme.png" height="300px">
        </div>
      </div>
      <hr>
      <?php if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
        echo '<button id="show-more-button2">Show More</button>';
      } ?>
      <hr>
    </center>
  </div>
  <div class="category-card" class="flex-child green" style="width: 50%;">
    <h2>Redmi</h2>
    <center>
      <div class="product-list">
        <div>
        <?php
        $sql = "SELECT * FROM product where prod_name='Redmi Note 12 Pro'";
        $result = $conn->query($sql);

        $products = [];

        if ($result->num_rows > 0) {
          while ($row = $result->fetch_assoc()) {
            $products[] = $row;
          }
        }
        ?>
        <?php foreach ($products as $product) { ?>
          <div class="product">
            <h2><?php echo $product['prod_name']; ?></h2>
            <span>Rs.<?php echo $product['prod_price']; ?></span>
          </div>
        <?php } ?>
          <img src="productimages/redmi.png" height="300px">
        </div>
      </div>
      <hr>
      <?php if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
        echo '<button id="show-more-button3">Show More</button>';
      } ?>
      <hr>
    </center>
  </div>
</div>
<script>
```

```
document.getElementById("show-more-button").addEventListener("click", function() {
// Change the URL below to the desired destination page
window.location.href = "product.php";
});
document.getElementById("show-more-button1").addEventListener("click", function() {
// Change the URL below to the desired destination page
window.location.href = "product.php";
});
document.getElementById("show-more-button2").addEventListener("click", function() {
// Change the URL below to the desired destination page
window.location.href = "product.php";
});
document.getElementById("show-more-button3").addEventListener("click", function() {
// Change the URL below to the desired destination page
window.location.href = "product.php";
});
    </script>
  </body>
</html>
```
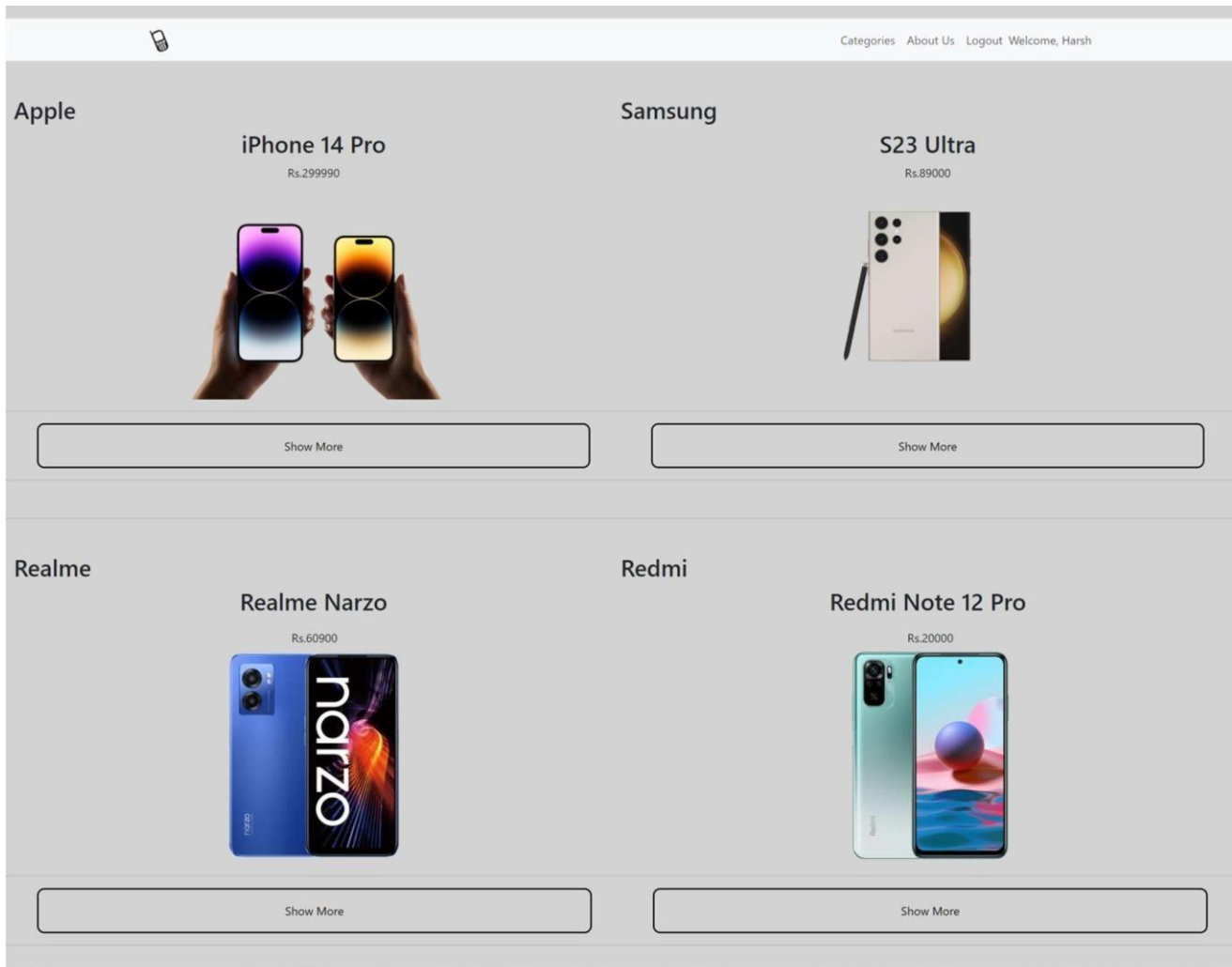
Lab #6(c)

Lab#6(c) If user is logged in then show "more details" on each product and show detailed product description if user clicks "more details".

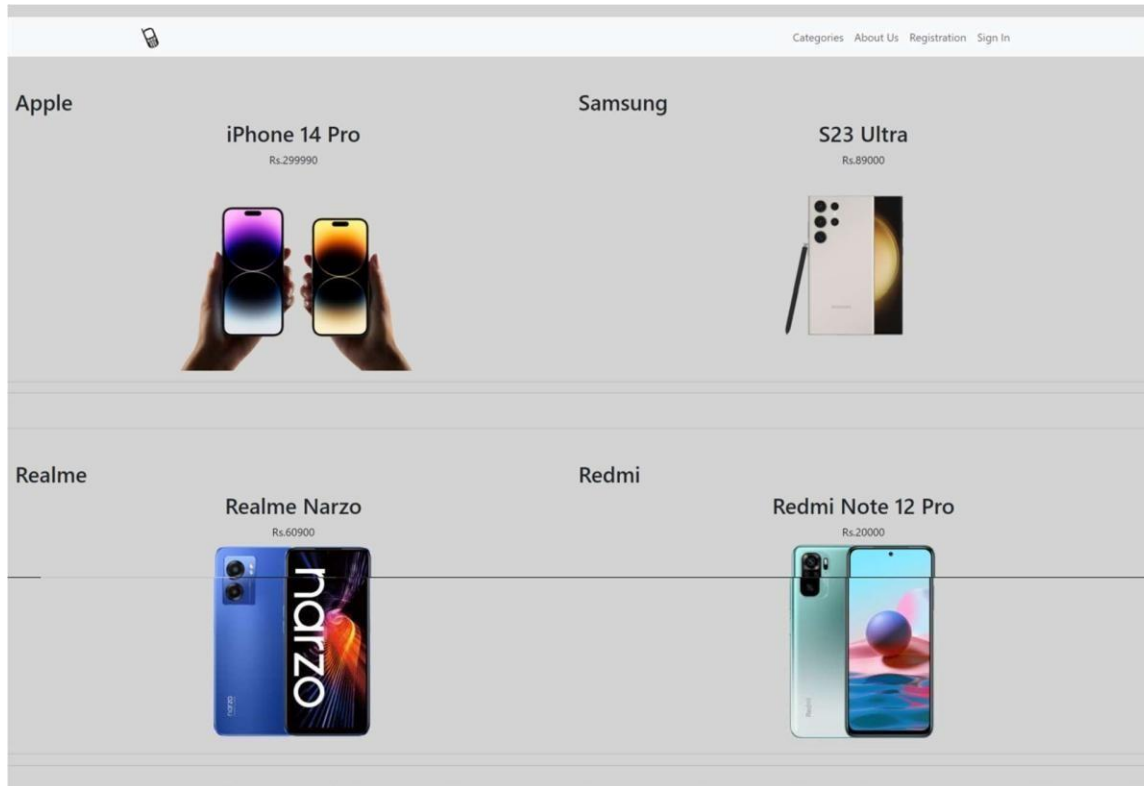| TAGS USED	ATTRIBUTES USED	DESCRIPTION
<?php?>	--	PHP's opening and closing tags. Statements within these two are interpreted by the parser.
CLASS	PUBLIC, PRIVATE OR PROECTED	The class keyword is used for class name resolution. This means it returns the fully qualified Class Name.
PUBLIC	--	Used to make class, method, variable etc. assessable anywhere in the program.
PRIVATE	--	Used to make class, method, variable etc. assessable inside class only.
ECHO	--	It displays the output on the browser.
__CONSTRUCT	--	If you create a _construct() function, PHP will automatically call this function when you create an object from a class.
THIS	--	It refers to a calling object.
PHP_EOL	BORDER	It gives you the newline character of the operating system you're working on.
 	--	Insert line break(single).
mysqli_connect()	--	Opens a new connection to the MySQL server.
include	--	Include an php file.

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Lab #6(c)

Final Outcome:

Categories.php (signedin)

Categories.php(loggedout)

Product.php

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Lab #6(c)

OTG Compatible: No
Sound Enhancements: Built-in Stereo Speaker

Display Features
Display Size: 15.49 cm (6.1 inch)
Resolution: 2556 x 1179 Pixels
Resolution Type: Super Retina XDR Display
GPU: 5 Core
Display Type: Super Retina XDR Display
Other Display Features: Dynamic Island, Always-On Display, Pro Motion Technology with Adaptive Refresh Rates
Upto 120 Hz, HDR Display, True Tone, Wide Colour (P3), Haptic Touch, Contrast Ratio: 20,00,000:1, Max
Brightness: 1,000 nits, Peak Brightness: 1,600 nits, Peak Brightness (Outdoor): 2,000 nits

Os & Processor Features
Operating System: iOS 16
Processor Type: A16 Bionic Chip, 6 Core Processor
Processor Core: Hexa Core
Operating Frequency: 5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n26, n28, n30, n38, n40, n41, n48, n53,
n66, n70, n77, n78, n79)), 4G FDD-LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B18, B19, B20, B25, B26, B28,
B30, B32, B66), 4G TD-LTE (B34, B38, B39, B40, B41, B42, B46, B48, B53), 3G UMTS/HSPA+/DC-HSDPA (850, 900,
1700/2100, 1900, 2100 MHz),2G GSM/EDGE (850, 900, 1800, 1900 MHz)

Memory & Storage Features Internal Storage: 128 GB

Camera Features
Primary Camera Available: Yes
Primary Camera: 48MP + 12MP + 12MP
Primary Camera Features: Triple Camera Setup: 48MP Main Camera (Focal Length: 24 mm, f/1.78 Aperture,
Second Generation Sensor Shift Optical Image Stabilisation, Seven Element Lens, 100% Focus Pixels) + 12MP
Ultra Wide Camera (Focal Length: 13 mm, f/2.2 Aperture, FOV: 120 Degree, Six Element Lens, 100% Focus Pixels)
+ 12MP 3 x Telephoto Camera (Focal Length: 77 mm, f/2.8 Aperture, Optical Image Stabilisation, Six Element
Lens), Camera Feature: Photonic Engine, Deep Fusion, Smart HDR 4, Portrait Mode with Advanced Bokeh and
Depth Control, Portrait Lighting with Six Effects (Natural, Studio, Contour, Stage, Stage Mono, High Key Mono),
Night Mode, Night Mode Portraits Enabled by LiDAR Scanner, Panorama (Upto 63MP), Photographic Styles,
Macro Photography, Apple ProRAW, Wide Colour Capture for Photos and Live Photos
Optical Zoom: Yes
Secondary Camera Available: Yes
Secondary Camera: 12MP Front Camera
Secondary Camera Features: 12MP Camera Setup: (f/1.9 Aperture), Camera Feature: Autofocus with Focus Pixels,
Six Element Lens, Retina Flash, Photonic Engine, Deep Fusion, Smart HDR 4, Portrait Mode with Advanced Bokeh
and Depth Control, Portrait Lighting with Six Effects (Natural, Studio, Contour, Stage, Stage Mono, High Key
Mono), Animoji and Memoji, Night Mode, Photographic Styles, Wide Colour Capture for Photos and Live Photos,
Lens Correction, Auto Image Stabilisation, Burst Mode, Video Feature: Timelapse Video with Stabilisation, Night
Mode, Timelapse, QuickTake Video, Cinematic Video Stabilisation (4K, 1080p and 720p)
Flash: Rear: True Tone Flash | Front: Retina Flash
HD Recording: Yes
Full HD Recording: Yes
Video Recording: Yes
Video Recording Resolution: Rear Camera: 4K (at 24 fps/ 25 fps/ 30 fps/ 60 fps), 2.8K (at 60 fps), 1080P (at 120
fps/60 fps/30 fps/ 25 fps), 720P (at 30 fps) | Front Camera: 4K (at 24 fps/ 25 fps/ 30 fps/ 60 fps), 1080P (at 120
fps/60 fps/30 fps/ 25 fps)
Digital Zoom: 15X
Frame Rate: 240 fps, 120 fps, 60 fps, 30 fps, 25 fps, 24 fps
Dual Camera Lens: Primary Camera

Add to Cart

Lab #6(c)

Code Snippet:

categories.php

```php
<?php include 'database.php' ?>
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Categories</title>
    <!-- Bootstrap 5 CSS -->
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
    <link rel="stylesheet" type="text/css" href="style.css">
  </head>
  <body>
    <?php include 'nav.php';?>

    <div class="flex-container mt-5">
      <!-- Category: Electronics -->
      <div class="category-card" class="flex-child magenta" style="width: 50%;">
        <h2 style="padding-left: 10px;">Apple</h2>
        <center>
          <div class="product-list">
            <div>
            <?php
            $sql = "SELECT * FROM product where prod_name='iPhone 14 Pro'";
            $result = $conn->query($sql);

            $products = [];

            if ($result->num_rows > 0) {
              while ($row = $result->fetch_assoc()) {
                $products[] = $row;
              }
            }
            ?>
            <?php foreach ($products as $product) { ?>
              <div class="product">
                <h2><?php echo $product['prod_name']; ?></h2>
                <span>Rs.<?php echo $product['prod_price']; ?></span>
              </div>
            <?php } ?>
              <img src="productimages/14pro.png" height="300px">
            </div>
```

```php
      </div>
      <hr>
      <?php if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
         echo '<button id="show-more-button">Show More</button>';
      } ?>

      <hr>
    </center>
  </div>
  <div class="category-card" class="flex-child green" style="width: 50%;">
    <h2>Samsung</h2>
    <center>
      <div class="product-list">
        <div>
        <?php
        $sql = "SELECT * FROM product where prod_name='S23 Ultra'";
        $result = $conn->query($sql);

        $products = [];

        if ($result->num_rows > 0) {
          while ($row = $result->fetch_assoc()) {
            $products[] = $row;
          }
        }
        ?>
        <?php foreach ($products as $product) { ?>
          <div class="product">
            <h2><?php echo $product['prod_name']; ?></h2>
            <span>Rs.<?php echo $product['prod_price']; ?></span>
          </div>
        <?php } ?>
          <img src="productimages/s23ultra.webp" height="300px">
          <br>
        </div>
      </div>
      <hr>
      <?php if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
         echo '<button id="show-more-button1">Show More</button>';
      } ?>
      <hr>
    </center>
  </div>
</div>
<hr>
<div class="flex-container mt-5">
```

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Lab #6(c)

```php
<!-- Category: Electronics -->
<div class="category-card" class="flex-child magenta" style="width: 50%;">
  <h2 style="padding-left: 10px;">Realme</h2>
  <center>
    <div class="product-list">
      <div>
      <?php
      $sql = "SELECT * FROM product where prod_name='Realme Narzo'";
      $result = $conn->query($sql);

      $products = [];

      if ($result->num_rows > 0) {
        while ($row = $result->fetch_assoc()) {
          $products[] = $row;
        }
      }
      ?>
      <?php foreach ($products as $product) { ?>
        <div class="product">
          <h2><?php echo $product['prod_name']; ?></h2>
          <span>Rs.<?php echo $product['prod_price']; ?></span>
        </div>
      <?php } ?>
        <img src="productimages/realme.png" height="300px">
      </div>
    </div>
    <hr>
    <?php if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
      echo '<button id="show-more-button2">Show More</button>';
    } ?>
    <hr>
  </center>
</div>
<div class="category-card" class="flex-child green" style="width: 50%;">
  <h2>Redmi</h2>
  <center>
    <div class="product-list">
      <div>
      <?php
      $sql = "SELECT * FROM product where prod_name='Redmi Note 12 Pro'";
      $result = $conn->query($sql);

      $products = [];

      if ($result->num_rows > 0) {
```

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Lab #6(c)

```
        while ($row = $result->fetch_assoc()) {
            $products[] = $row;
        }
    }
    ?>
    <?php foreach ($products as $product) { ?>
        <div class="product">
            <h2><?php echo $product['prod_name']; ?></h2>
            <span>Rs.<?php echo $product['prod_price']; ?></span>
        </div>
    <?php } ?>
        <img src="productimages/redmi.png" height="300px">
        </div>
    </div>
    <hr>
    <?php if (isset($_SESSION['loggedin']) && ($_SESSION['loggedin'] == true)){
        echo '<button id="show-more-button3">Show More</button>';
    } ?>
    <hr>
    </center>
    </div>
    </div>
    <script>
    document.getElementById("show-more-button").addEventListener("click", function() {
    // Change the URL below to the desired destination page
    window.location.href = "product.php";
    });
    document.getElementById("show-more-button1").addEventListener("click", function() {
    // Change the URL below to the desired destination page
    window.location.href = "product.php";
    });
    document.getElementById("show-more-button2").addEventListener("click", function() {
    // Change the URL below to the desired destination page
    window.location.href = "product.php";
    });
    document.getElementById("show-more-button3").addEventListener("click", function() {
    // Change the URL below to the desired destination page
    window.location.href = "product.php";
    });
    </script>
    </body>
</html>
```

Lab #6(c)

Product.php

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Mobile Product Page</title>
    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css">
    <link rel="stylesheet" type="text/css" href="style.css">
  </head>
  <body>
    <?php include 'nav.php';?>

    <div class="row">
        <div class="col-md-6 offset-md-3">
          <div class="product-card">
            <center><img class="product-image" src="productimages/14pro.png" alt="Product
Image"></center>
            <h2 class="product-title">iPhone 14 Pro</h2>
            <p class="product-rating">Rating: 5.0/5.0 (1.2K reviews)</p>
            <p class="product-price">Rs 2,99,900</p>
            <p class="product-description"><b>General</b><br>
                        In The Box: Handset, USB-C to Lightning Cable, Documentation<br>
                        Model Number: MQ0G3HN/A<br>
                        Model Name: iPhone 14 Pro<br>
                        Color: Deep Purple<br>
                        Browse Type: Smartphones<br>
                        SIM Type: Dual Sim(Nano + eSIM)<br>
                        Hybrid Sim Slot: No<br>
                        Touchscreen: Yes<br>
                        OTG Compatible: No<br>
                        Sound Enhancements: Built-in Stereo Speaker<br><br>

                        <b>Display  Features</b><br>
                        Display Size: 15.49 cm (6.1 inch)<br>
                        Resolution: 2556 x 1179 Pixels<br>
                        Resolution Type: Super Retina XDR Display<br>
                        GPU: 5 Core<br>
                        Display Type: Super Retina XDR Display<br>
                        Other Display Features: Dynamic Island, Always-On Display, Pro Motion
Technology with Adaptive Refresh Rates Upto 120 Hz, HDR Display, True Tone, Wide Colour (P3),
Haptic Touch, Contrast Ratio: 20,00,000:1, Max Brightness: 1,000 nits, Peak Brightness: 1,600 nits,
Peak Brightness (Outdoor): 2,000 nits<br><br>
```

Os & Processor Features
Operating System: iOS 16
Processor Type: A16 Bionic Chip, 6 Core Processor
Processor Core: Hexa Core
Operating Frequency: 5G NR (Bands n1, n2, n3, n5, n7, n8, n12, n20, n25, n26, n28, n30, n38, n40, n41, n48, n53, n66, n70, n77, n78, n79)), 4G FDD-LTE (B1, B2, B3, B4, B5, B7, B8, B12, B13, B17, B18, B19, B20, B25, B26, B28, B30, B32, B66), 4G TD-LTE (B34, B38, B39, B40, B41, B42, B46, B48, B53), 3G UMTS/HSPA+/DC-HSDPA (850, 900, 1700/2100, 1900, 2100 MHz),2G GSM/EDGE (850, 900, 1800, 1900 MHz)

Memory & Storage Features
Internal Storage: 128 GB

Camera Features
Primary Camera Available: Yes
Primary Camera: 48MP + 12MP + 12MP
Primary Camera Features: Triple Camera Setup: 48MP Main Camera (Focal Length: 24 mm, f/1.78 Aperture, Second Generation Sensor Shift Optical Image Stabilisation, Seven Element Lens, 100% Focus Pixels) + 12MP Ultra Wide Camera (Focal Length: 13 mm, f/2.2 Aperture, FOV: 120 Degree, Six Element Lens, 100% Focus Pixels) + 12MP 3 x Telephoto Camera (Focal Length: 77 mm, f/2.8 Aperture, Optical Image Stabilisation, Six Element Lens), Camera Feature: Photonic Engine, Deep Fusion, Smart HDR 4, Portrait Mode with Advanced Bokeh and Depth Control, Portrait Lighting with Six Effects (Natural, Studio, Contour, Stage, Stage Mono, High Key Mono), Night Mode, Night Mode Portraits Enabled by LiDAR Scanner, Panorama (Upto 63MP), Photographic Styles, Macro Photography, Apple ProRAW, Wide Colour Capture for Photos and Live Photos
Optical Zoom: Yes
Secondary Camera Available: Yes
Secondary Camera: 12MP Front Camera
Secondary Camera Features: 12MP Camera Setup: (f/1.9 Aperture), Camera Feature: Autofocus with Focus Pixels, Six Element Lens, Retina Flash, Photonic Engine, Deep Fusion, Smart HDR 4, Portrait Mode with Advanced Bokeh and Depth Control, Portrait Lighting with Six Effects (Natural, Studio, Contour, Stage, Stage Mono, High Key Mono), Animoji and Memoji, Night Mode, Photographic Styles, Wide Colour Capture for Photos and Live Photos, Lens Correction, Auto Image Stabilisation, Burst Mode, Video Feature: Timelapse Video with Stabilisation, Night Mode, Timelapse, QuickTake Video, Cinematic Video Stabilisation (4K, 1080p and 720p)
Flash: Rear: True Tone Flash | Front: Retina Flash
HD Recording: Yes
Full HD Recording: Yes
Video Recording: Yes
Video Recording Resolution: Rear Camera: 4K (at 24 fps/ 25 fps/ 30 fps/ 60 fps), 2.8K (at 60 fps), 1080P (at 120 fps/60 fps/30 fps/ 25 fps), 720P (at 30 fps) | Front Camera: 4K (at 24 fps/ 25 fps/ 30 fps/ 60 fps), 1080P (at 120 fps/60 fps/30 fps/ 25 fps)
Digital Zoom: 15X
Frame Rate: 240 fps, 120 fps, 60 fps, 30 fps, 25 fps, 24 fps
Dual Camera Lens: Primary Camera

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Department of Computer Engineering
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Lab #6(c)

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