

LAB FOR SESSION 15& 16**PHP Programming****A. OBJECTIVES**

1. Using PHP connect to database MySQL.
2. Query data from database and display in webpage.

B. STEP BY STEP EXERCISES

1. Create database with named online_shopping and create the following tables:

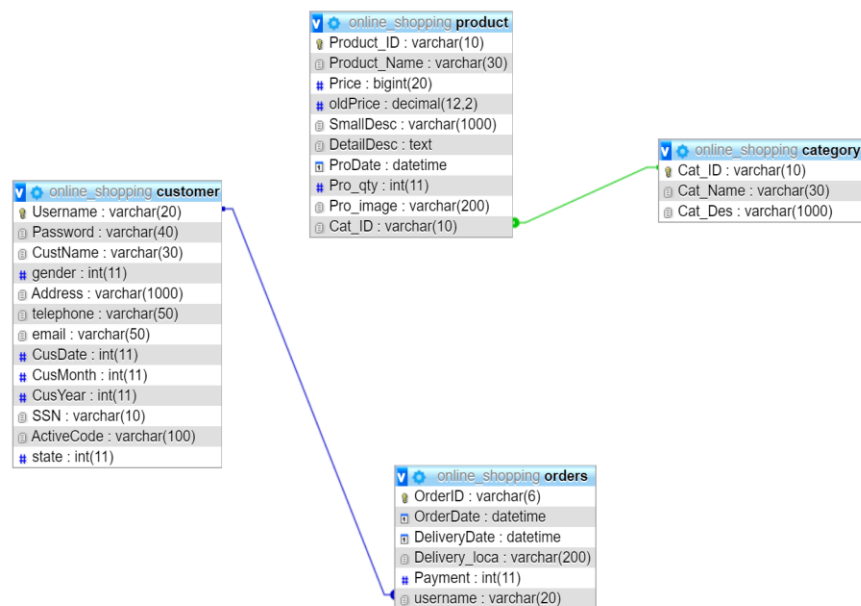


Figure 15.1

2. Connect to online_shopping database using PHP and save with named "connection.php", execute the following SQL:

```

<?php
    $conn = mysqli_connect('localhost', 'root', '', 'online_shopping')
    |      | or die("Can not connect database".mysqli_connect_error());
?>
  
```

3. Check whether customer information (username and email address) exists in the database before registering

Member Registration

Username(*):

Password(*):

Confirm Password(*):

Full name(*):

Email(*):

Address(*):

Telephone(*):

Gender(*): ☐ Male ☐ Female

Date of Birth(*): Choose Date Choose Month Choose Year

Figure 15.2

Hint:

```

if($err!= ""){
    echo $err;
}
else{
    include_once("connection.php");
    $pass = md5($pass1);
    $sq = "SELECT * FROM customer WHERE Username='$us' OR email='$email'";
    $res = mysqli_query($conn,$sq);
    if(mysqli_num_rows($res)==0)
    {
        mysqli_query($conn, "INSERT INTO customer (Username, Password, CustName, gender, Address,telephone,
        email, CusDate, CusMonth, CusYear, SSN, ActiveCode, state)
        VALUES ('$us', '$pass', '$fullname', $sex, '$address', '$tel', '$email',
        $date, $month, $year, '', '', 0)") or die(mysqli_error($conn));
        echo "You have registered successfully";
    }
    else{
        echo "Username or email already exists";
    }
}
}

```

4. Check for a valid login account in the Login.php page

Login

Username(*):

Password(*):

Figure 15.3

Hint:

```

if($err != ""){
    echo $err;
}
else{
    include_once("connection.php");
    $pass = md5($pa);
    $res = mysqli_query($conn, "SELECT Username, Password FROM Customer WHERE Username='$us' AND Password='$pass'");
    or die(mysqli_error($conn));
    if(mysqli_num_rows($res)==1){
        echo "You logged in successfully";
    }
    else{
        echo "You logged in fail";
    }
}

```

5. Create page to manage product category on Category_management.php so that it appears all product categories.

No.	Category Name	Description	Edit	Delete
1	Iphone	Iphone Product		
2	Ipad	Ipad Product		
3	Desktop computer	Desktop computer product		

Figure 15.4

Hint:

```

<table id="tablecategory" class="table table-striped table-bordered" cellspacing="0" width="100%">
  <thead>
    <tr>
      <th><strong>No.</strong></th>
      <th><strong>Category Name</strong></th>
      <th><strong>Description</strong></th>
      <th><strong>Edit</strong></th>
      <th><strong>Delete</strong></th>
    </tr>
  </thead>
  <tbody>
    <?php
      $No=1;
      $result = mysqli_query($conn, "SELECT * FROM category");
      while($row=mysqli_fetch_array($result, MYSQLI_ASSOC))
      {
    <?>
    <tr>
      <td class="cotCheckBox"><?php echo $No; ?></td>
      <td><?php echo $row["Cat_Name"]; ?></td>
      <td><?php echo $row["Cat_Des"]; ?></td>

      <td style='text-align:center'><img src='images/edit.png' border='0' /></td>
      <td style='text-align:center'><img src='images/delete.png' border='0' /></td>
    </tr>
    <?php
      $No++;
      }
    <?>
  </tbody>
</table>

```

6. Perform the function of adding new product categories in the page Add_Category.php

The screenshot shows a web browser window with the address bar displaying 'localhost:1000/code/Add_category.php'. The page title is 'Adding Category'. The form contains three labeled input fields: 'Category ID(*)', 'Category Name(*)', and 'Description(*)'. Each field has a placeholder text: 'Category ID', 'Category Name', and 'Description' respectively. At the bottom of the form, there are two buttons: 'Add new' and 'Ignore'.

Figure 15.5

Hint:

```

<?php
include_once("connection.php");
if(isset($_POST["btnAdd"]))
{
    $id = $_POST["txtID"];
    $name = $_POST["txtName"];
    $des = $_POST["txtDes"];
    $err="";
    if($id==""){
        $err."<li>Enter Category ID, please</li>";
    }
    if($name==""){
        $err."<li>Enter Category Name, please</li>";
    }
    if($err!=""){
        echo "<ul>$err</ul>";
    }
    else{
        $sq="Select * from category where Cat_ID='$id' or Cat_Name='$name'";
        $result = mysqli_query($conn,$sq);
        if(mysqli_num_rows($result)==0)
        {
            mysqli_query($conn, "INSERT INTO category (Cat_ID, Cat_Name, Cat_Des) VALUES ('$id','$name','$des')");
            echo '<meta http-equiv="refresh" content="0;URL=Category_Management.php"/>';
        }
        else
        {
            echo "<li>Duplicate category ID or Name</li>";
        }
    }
}
?>

```

7. Perform function of updating for product category in Update_Category.php

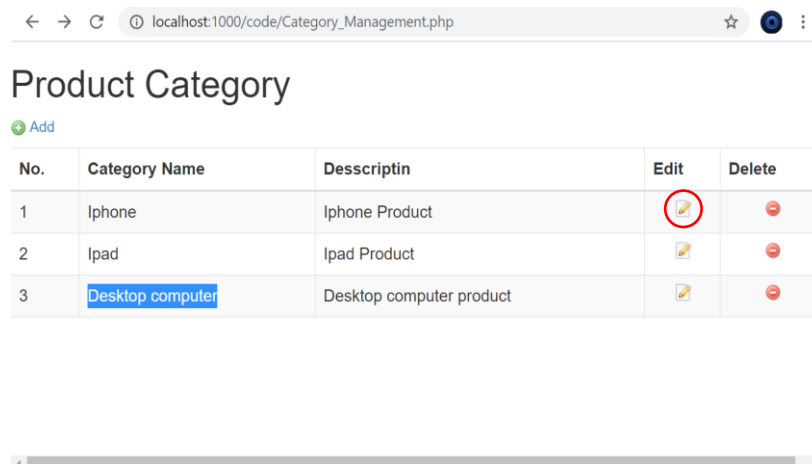


Figure 15.6

Hint:

Step 1: Create a link from the page Category_management.php to navigate “Update_Category.php” page, send the category id corresponding to the GET method.

```

<td style='text-align:center'><a href="Update_Category.php?id=<?php echo $row["Cat_ID"]; ?>">
<img src='images/edit.png' border='0' /></a></td>

```

Step 2: In “Update_Category.php” page, display the current information for the product category to the form.

← → ↻ ⓘ localhost:1000/code/Update_Category.php?id=C001 ☆ ⚙

Updating Product Category

Category ID(*):

Category Name(*):

Description(*):

Figure 15.7

Hint:

```
<?php
include_once("connection.php");
if(isset($_GET["id"]))
{
    $id = $_GET["id"];
    $result = mysqli_query($conn, "SELECT * FROM category WHERE Cat_ID='$id'");
    $row = mysqli_fetch_array($result, MYSQLI_ASSOC);
    $cat_id = $row['Cat_ID'];
    $cat_name = $row['Cat_Name'];
    $cat_des = $row['Cat_Des'];
}
?>
```

Note: this code section, the else statement is executed at the end of Category_Management.php as follows:

```
<?php
}
else
{
    echo '<meta http-equiv="refresh" content="0;URL=Category_Management.php"/>';
}
?>
```

Step 3. Fill data in the form

```

<div class="form-group">
    <label for="txtTen" class="col-sm-2 control-label">Category ID(*): </label>
    <div class="col-sm-10">
        <input type="text" name="txtID" id="txtID" class="form-control" placeholder="Catepgy ID" readonly
        value='<?php echo $cat_id ;?>'>
    </div>
</div>

<div class="form-group">
    <label for="txtTen" class="col-sm-2 control-label">Category Name(*): </label>
    <div class="col-sm-10">
        <input type="text" name="txtName" id="txtName" class="form-control" placeholder="Catepgy Name"
        value='<?php echo $cat_name;?>'>
    </div>
</div>

<div class="form-group">
    <label for="txtMoTa" class="col-sm-2 control-label">Description(*): </label>
    <div class="col-sm-10">
        <input type="text" name="txtDes" id="txtDes" class="form-control" placeholder="Description"
        value='<?php echo $cat_des;?>'>
    </div>
</div>

```

Step 4. Execute the query when clicking update button

```

<?php
if(isset($_POST["btnUpdate"]))
{
    $id = $_POST["txtID"];
    $name = $_POST["txtName"];
    $des = $_POST["txtDes"];
    $err="";
    if($name=="")
    {
        $err.="<li>Enter Category Name, please</li>";
    }
    if($err!="")
    {
        echo "<ul>$err</ul>";
    }
    else
    {
        $sq="Select * from category where Cat_ID != '$id' and Cat_Name='$name'";
        $result = mysqli_query($conn,$sq);
        if(mysqli_num_rows($result)==0)
        {
            mysqli_query($conn, "UPDATE category SET Cat_Name = '$name', Cat_Des='$des' WHERE Cat_ID='$id'");
            echo '<meta http-equiv="refresh" content="0;URL=Category_Management.php"/>';
        }
        else
        {
            echo "<li>Duplicate category Name</li>";
        }
    }
}
?>

```

8. Perform the delete function in the product category management page

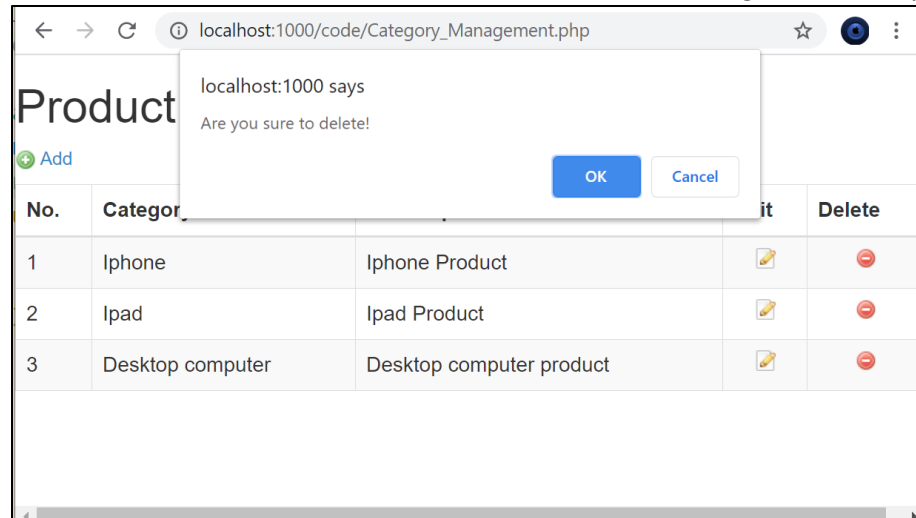


Figure 15.8

Hint:

Step 1: Confirm deletion actions on Category_Management.php page

```
<script language="javascript">
    function deleteConfirm(){
        if(confirm("Are you sure to delete!")){
            return true;
        }
        else{
            return false;
        }
    }
</script>
```

Step 2: when clicking the delete icon, send category id which need to delete

```
<td style='text-align:center'>
<a href="Category_Management.php?function=del&id=<?php echo $row["Cat_ID"]; ?>" onclick="return deleteConfirm()">
<img src='images/delete.png' border='0' /></a></td>
```

Step 3: Receive data and proceed with deletion

```
if(isset($_GET["function"])=="del"){
    if(isset($_GET["id"])){
        $id = $_GET["id"];
        mysqli_query($conn, "DELETE FROM category WHERE Cat_ID='$id'");
    }
}
```

9. Create page to manage product on Product_management.php so that it appears all products

← → ↻ ⓘ localhost:1000/code/Product_Management.php ☆ 📄 ⋮

Product Management

[Add new](#)










No.	Product ID	Product Name	Price	Quantity	Category ID	Image	Edit	Delete
1	P003	User Computer Desktop	15000000	23	Desktop computer			
2	P001	Iphone 11 Pro Max	28000000	30	Iphone			
3	P002	Ipad pro	20000000	10	Ipad			

Figure 15.9

Hint:

```

<tbody>
<?php
    $No=1;
    $result = mysqli_query($conn, "SELECT Product_ID, Product_Name, Price, Pro_qty, Pro_image, Cat_Name
    FROM product a, category b
    WHERE a.Cat_ID = b.Cat_ID ORDER BY ProDate DESC");

    while($row=mysqli_fetch_array($result, MYSQLI_ASSOC)){
?>
<tr>
    <td><?php echo $No; ?></td>
    <td><?php echo $row["Product_ID"]; ?></td>
    <td><?php echo $row["Product_Name"]; ?></td>
    <td><?php echo $row["Price"]; ?></td>
    <td><?php echo $row["Pro_qty"]; ?></td>
    <td><?php echo $row["Cat_Name"]; ?></td>
    <td align='center' class='cotNutChucNang'>
        <img src='product-imgs/<?php echo $row['Pro_image']?>' border='0' width='50' height='50' /></td>
    <td align='center' class='cotNutChucNang'><img src='images/edit.png' border='0' /></td>
    <td align='center' class='cotNutChucNang'><img src='images/delete.png' border='0' /></td>
</tr>
<?php
    $No++;
    }
?>
</tbody>

```

10. Create a new page to add a product as shown below, the product category must be taken from the product category table in the database.

Adding new Product

Product ID(*):

Product Name(*):

Product category(*):

Price(*):

Short description(*):

Detail description(*):

Source

Quantity(*):

Image(*): No file chosen

Figure 15.10

Hint:

Step 1: Write a function to display the product category on the Add_Product.php page

```

include_once("connection.php");
function bind_Category_List($conn) {
    $sqlstring = "select Cat_ID, Cat_Name from category";
    $result = mysqli_query($conn, $sqlstring);
    echo "<select name='CategoryList' class='form-control'>
        <option value='0'>Choose category</option>";
        while ($row = mysqli_fetch_array($result, MYSQLI_ASSOC)) {
            echo "<option value='". $row['Cat_ID'] . "'>". $row['Cat_Name'] . "</option>";
        }
    echo "</select>";
}

```

Step 2: Call the function to display the product category on the page

```

<div class="form-group">
    <label for="" class="col-sm-2 control-label">Product category(*): </label>
    <div class="col-sm-10">
        <?php bind_Category_List($conn); ?>
    </div>
</div>

```

Step 3: Perform new adding function

```

if(isset($_POST["btnAdd"]))
{
    $id = $_POST["txtID"];
    $prname = $_POST["txtName"];
    $short = $_POST['txtShort'];
    $detail = $_POST['txtDetail'];
    $price = $_POST['txtPrice'];
    $qty = $_POST['txtQty'];
    $pic=$_FILES['txtImage'];
    $category = $_POST['CategoryList'];
    $err="";

    if(trim($id)==""){
        $err .="<li>Enter product ID, please</li>";
    }
    if(trim($prname)==""){
        $err .="<li>Enter product name, please</li>";
    }
    if($category=="0"){
        $err .="<li>Choose product category, please</li>";
    }
    if(!is_numeric($price)){
        $err .="<li>Product price must be number</li>";
    }
    if(!is_numeric($qty)){
        $err .="<li>Product price must be number</li>";
    }
    if($err != ""){
        echo "<ul>$err</ul>";
    }
}

```

```

else{
    if($pic['type']=="image/jpg" || $pic['type']=="image/jpeg" || $pic['type']=="image/png"
    || $pic['type']=="image/gif"){

        if($pic['size'] <= 614400)
        {

            $sq="Select * from product where Product_ID='$id' or Product_Name='$praname'";
            $result = mysqli_query($conn,$sq);
            if(mysqli_num_rows($result)==0)
            {
                copy($pic['tmp_name'], "product-imgs/".$pic['name']);
                $filePic = $pic['name'];
                $sqlstring = "INSERT INTO product(
                    Product_ID, Product_Name, Price, SmallDesc, DetailDesc, ProDate, Pro_qty,
                    Pro_image,Cat_ID)
                    VALUES('$id','$praname',$price,$short,$detail','".date('Y-m-d H:i:s')."',$qty,
                    '$filePic','$category')";

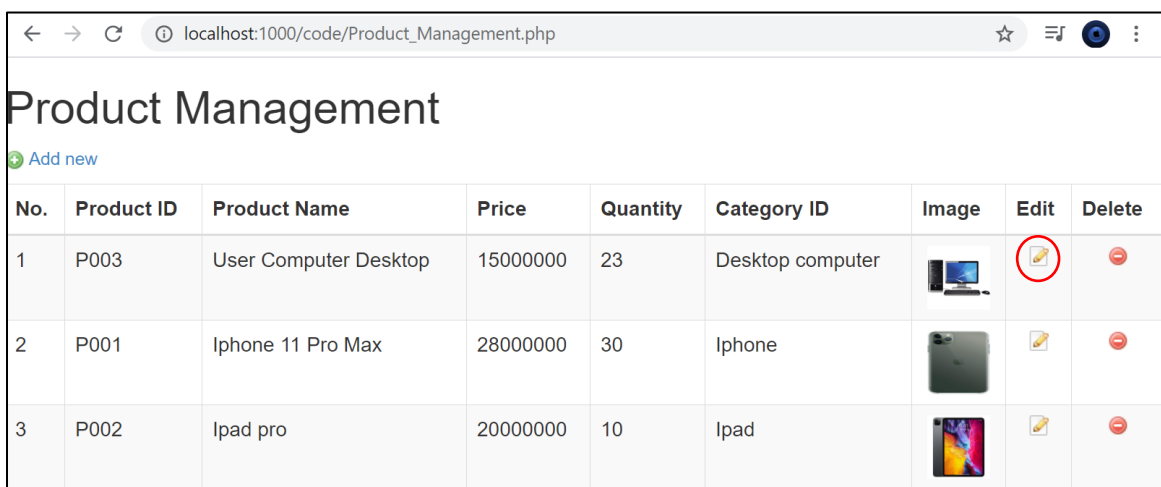
                mysqli_query($conn, $sqlstring);
                echo "<meta http-equiv='refresh' content='0;URL=Product_Management.php'/>";
            }
            else{
                echo "<li>Duplicate product ID or Name</li>";
            }
        }
    }
}

else
{
    echo "Size of image too big";
}

else
{
    echo "Image format is not correct";
}
}
}

```

11. Perform product updates in product management (**Product_Management.php** and **Update_Product.php**)












No.	Product ID	Product Name	Price	Quantity	Category ID	Image	Edit	Delete
1	P003	User Computer Desktop	15000000	23	Desktop computer			
2	P001	Iphone 11 Pro Max	28000000	30	Iphone			
3	P002	Ipad pro	20000000	10	Ipad			

Figure 15.11

Updating Product

Product ID(*):

Product Name(*):

Product category(*):

Price(*):

Short description(*):

Detail description(*):

Computer Desktop with new Generation

Quantity(*):

Image(*):

No file chosen

Figure 15.12

Hint:

Step 1: Create a link through the Update_Product.php page from Update_Management.php page

```
<td align='center' class='cotNutChucNang'><a href="Update_Product.php?id=<?php echo $row["Product_ID"]; ?>">
<img src='images/edit.png' border='0' /></a></td>
```

Step 2: Write a function to display the product category on page Update_Product.php

```

include_once("connection.php");
function bind_Category_List($conn,$selectedValue) {
    $sqlstring = "select Cat_ID, Cat_Name from category";
    $result = mysqli_query($conn, $sqlstring);
    echo "<select name='CategoryList' class='form-control'>
        <option value='0'>Choose category</option>";
        while ($row = mysqli_fetch_array($result, MYSQLI_ASSOC)) {
            if ($row['Cat_ID'] == $selectedValue) {
                echo "<option value='" . $row['Cat_ID']."' selected>".$row['Cat_Name']. "</option>";
            }
            else {
                echo "<option value='" . $row['Cat_ID']."'>".$row['Cat_Name']. "</option>";
            }
        }
    }
    echo "</select>";
}

```

Step 3: Calling the function

```

<div class="form-group">
    <label for="" class="col-sm-2 control-label">Product category(*): </label>
    <div class="col-sm-10">
        <?php bind_Category_List($conn, $category); ?>
    </div>
</div>

```

Step 4: Query data to display data on Update_Product.php page

```

if(isset($_GET["id"])){
    $id = $_GET["id"];
    $sqlstring = "Select Product_Name, Price, SmallDesc, DetailDesc, ProDate, Pro_qty,
    Pro_image,Cat_ID from product where Product_ID='$id'";

    $result = mysqli_query($conn, $sqlstring);
    $row = mysqli_fetch_array($result, MYSQLI_ASSOC);

    $proname = $row["Product_Name"];
    $short = $row['SmallDesc'];
    $detail = $row['DetailDesc'];
    $price = $row['Price'];
    $qty = $row['Pro_qty'];
    $pic = $row['Pro_image'];
    $category = $row['Cat_ID'];

    ?>

```

Note: this code section, the else statement is executed at the end of Product_Management.php as follows:

```

<?php
    }
    else
    {
        echo '<meta http-equiv="refresh" content="0;URL=Product_Management.php"/>';
    }
?>

```

Step 5: Fill data in the form

```

<div class="form-group">
    <label for="txtTen" class="col-sm-2 control-label">Product ID(*): </label>
    <div class="col-sm-10">
        <input type="text" name="txtID" id="txtID" class="form-control"
        placeholder="Product ID" readonly value='<?php echo $id;?>'/>
    </div>
</div>
<div class="form-group">
    <label for="txtTen" class="col-sm-2 control-label">Product Name(*): </label>
    <div class="col-sm-10">
        <input type="text" name="txtName" id="txtName" class="form-control"
        placeholder="Product Name" value='<?php echo $proname;?>'/>
    </div>
</div>

```

For image, need insert a image before file field

```

<div class="form-group">
    <label for="sphinhanh" class="col-sm-2 control-label">Image(*): </label>
    <div class="col-sm-10">
        <img src='product-imgs/<?php echo $pic; ?>' border='0' width="50" height="50" />
        <input type="file" name="txtImage" id="txtImage" class="form-control" value=""/>
    </div>
</div>

```

Note: display all product information on this page such as: price, quantity, Short Description, Detail Description.

Step 6: When users click update, proceed to update the product:

```
<?php
    if(isset($_POST["btnUpdate"]))
    {
        $id = $_POST["txtID"];
        $prname = $_POST["txtName"];
        $short = $_POST['txtShort'];
        $detail = $_POST['txtDetail'];
        $price = $_POST['txtPrice'];
        $qty = $_POST['txtQty'];
        $pic=$_FILES['txtImage'];
        $category = $_POST['CategoryList'];
        $err="";

        if(trim($id)=="){
            $err .="<li>Enter product ID, please</li>";
        }
        if(trim($prname)=="){
            $err .="<li>Enter product name, please</li>";
        }
        if($category=="0"){
            $err .="<li>Choose product category, please</li>";
        }
        if(!is_numeric($price)){
            $err .="<li>Product price must be number</li>";
        }
        if(!is_numeric($qty)){
            $err .="<li>Product price must be number</li>";
        }
        if($err !="){
            echo "<ul>$err</ul>";
        }
    }
}
```



```

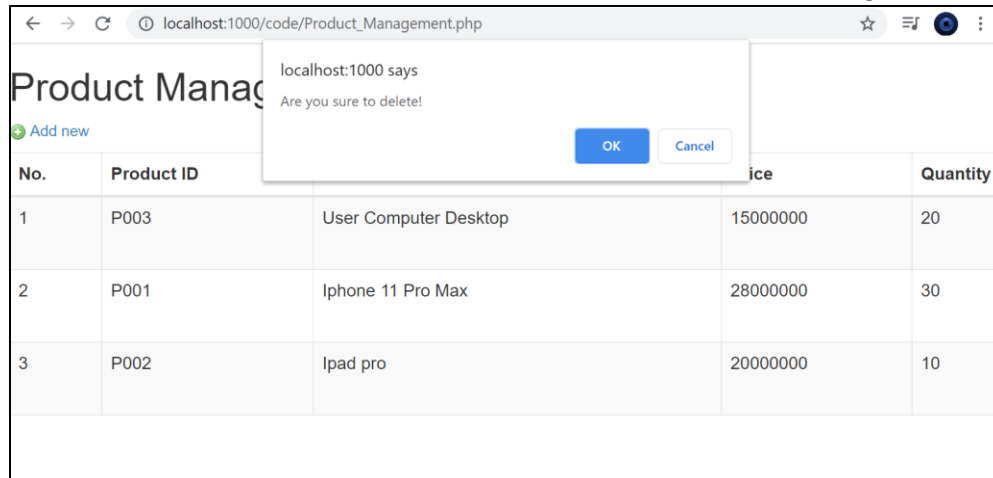
else{
    if($pic['name']!="")
    {
        if($pic['type']=="image/jpg" || $pic['type']=="image/jpeg" || $pic['type']=="image/png"
        || $pic['type']=="image/gif"){
            if($pic['size'] <= 614400)
            {
                $sq="Select * from product where Product_ID != '$id' and Product_Name='$praname'";
                $result = mysqli_query($conn,$sq);
                if(mysqli_num_rows($result)==0)
                {
                    copy($pic['tmp_name'], "product-imgs/".$pic['name']);
                    $filePic = $pic['name'];

                    $sqlstring="UPDATE product set
                    Product_Name = '$praname', Price=$price, SmallDesc='$short',
                    DetailDesc='$detail', Pro_qty=$qty,
                    Pro_image='$filePic',Cat_ID='$category',
                    ProDate='".date('Y-m-d H:i:s')." WHERE Product_ID='$id'";
                    mysqli_query($conn, $sqlstring);
                    echo '<meta http-equiv="refresh" content="0;URL=Product_Management.php"/>';
                }
                else{
                    echo "<li>Duplicate product Name</li>";
                }
            }
            else{
                echo "Size of image too big";
            }
        }
        else
        {
            echo "Image format is not correct";
        }
    }
    else
    {
        $sq="Select * from product where Product_ID != '$id' and Product_Name='$praname'";
        $result = mysqli_query($conn,$sq);
        if(mysqli_num_rows($result)==0)
        {
            $sqlstring="UPDATE product set Product_Name = '$praname',
            Price=$price, SmallDesc='$short',DetailDesc='$detail',
            Pro_qty=$qty, Cat_ID='$category',
            ProDate='".date('Y-m-d H:i:s')." WHERE Product_ID='$id'";

            mysqli_query($conn, $sqlstring );
            echo '<meta http-equiv="refresh" content="0;URL=Product_Management.php"/>';
        }
        else{
            echo "<li>Duplicate product Name</li>";
        }
    }
}
?>

```

12.Delete the product in the quanly_sanpham.php page



Step 1: Confirm deletion actions on Category_Mangement.php page

```
<script language="javascript">
    function deleteConfirm(){
        if(confirm("Are you sure to delete!")){
            return true;
        }
        else{
            return false;
        }
    }
</script>
```

Step 2: when clicking the delete icon, send category id which need to delete

```
<td style='text-align:center'>
<a href="Product_Management.php?function=del&&id=<?php echo $row["Product_ID"]; ?>"
onclick="return deleteConfirm()">
<img src='images/delete.png' border='0' /></a></td>
```

Step 3: Receive data and proceed with deletion

```
include_once("connection.php");
if(isset($_GET["function"])=="del"){
    if(isset($_GET["id"])){
        $id = $_GET["id"];
        $sq = "select Pro_image from product WHERE Product_ID='$id'";
        $res = mysqli_query($conn, $sq);
        $row = mysqli_fetch_array($res, MYSQLI_ASSOC);
        $filePic = $row['Pro_image'];
        unlink("product-imgs/".$filePic);
        mysqli_query($conn, "DELETE FROM product WHERE Product_ID='$id'");
    }
}
```