

Follow on Tutorial - Products

This tutorial is a follow on from the product application we started in lecture 7.

We completed the

- Product List View

- Product View

- Product delete

Make sure you have completed what we did in the lecture before moving on to this challenge.

In this tutorial we will complete

- Product Update

- Product Create

Product Update

We will start with making a copy of the deleteProduct.php file and call it updateProduct.php

We will make the necessary changes to make it an update file.

First change the title.

Second we will change the input form to no longer be **readonly**. We will remove these attributes. Change the action in the form. Our html will now look like (changes in red)

```

<form class='form-style' action="updateProduct.php" method="post">
Product: <input type="text" name="product" value="<?php echo $product;
?>" />
Description: <input type="text" name="description" value="<?php echo
$product_desc; ?>" />
Cost: <input type="text" name="cost" value="<?php echo $cost; ?>" />
<input type="hidden" name="pid" value="<?php echo $pid; ?>" />
<input type="submit" name="submit" value="Update" class='button'/>
</form>
</body>
</html>

```

The if(\$_GET) portion of the php will remain the same. The \$_POST portion requires some changes. Change the code to

```

if ($_POST) {
    $pid = $_POST['pid'];
    $product = $_POST['product'];
    $product_desc = $_POST['description'];
    $cost = $_POST['cost'];
    $stmt = $DBH->prepare(
"UPDATE Products set product_name = :product,
                        product_description = :pd,
                        cost = :cost
                        WHERE id = :pid");
    $stmt->bindValue(':pid', $pid);
    $stmt->bindValue(':pd', $product_desc);
    $stmt->bindValue(':product', $product);
    $stmt->bindValue(':cost', $cost);
    $stmt->execute();
    include('errordb.php');
    header("Location: products.php");
}

```

```
}  
?>
```

Complete Program looks like

```
1  <?php  
2  include('header.php');  
3  include('db.php');  
4  if ($_GET){  
5      $pid = $_GET['id'];  
6      $stmt = $DBH->prepare("SELECT * FROM Products WHERE id= :pid");  
7      $stmt->bindValue(':pid', $pid);  
8      $stmt->execute();  
9      include('errordb.php');  
10     $row = $stmt->fetch(PDO::FETCH_ASSOC);  
11     $product = $row['product_name'];  
12     $product_desc = $row['product_description'];  
13     $cost = $row['cost'];  
14 }  
15 if ($_POST) {  
16     $pid = $_POST['pid'];  
17     $product = $_POST['product'];  
18     $product_desc = $_POST['description'];  
19     $cost = $_POST['cost'];  
20     $stmt = $DBH->prepare("UPDATE Products set product_name = :product,  
21                             product_description = :pd,  
22                             cost = :cost  
23                             WHERE id = :pid");  
24     $stmt->bindValue(':pid', $pid);  
25     $stmt->bindValue(':pd', $product_desc);  
26     $stmt->bindValue(':product', $product);  
27     $stmt->bindValue(':cost', $cost);  
28     $stmt->execute();  
29     include('errordb.php');  
30     header("Location: products.php");  
31 }  
32 ?>
```

```
33 <h2>Update Product</h2>  
34 <form class='form-style' action="updateProduct.php" method="post">  
35     Product: <input type="text" name="product" value="<?php echo $product; ?>" />  
36     Description: <input type="text" name="description" value="<?php echo $product_desc; ?>" />  
37     Cost: <input type="text" name="cost" value="<?php echo $cost; ?>" />  
38     <input type="hidden" name="pid" value="<?php echo $pid; ?>" />  
39     <input type="submit" name="submit" value="Update" class='button' />  
40 </form>  
41 <?php include 'footer.php'; ?>
```

Now we need to make the update option available from the products list.
Add the link in the **products.php** file

```
echo "<td>";  
echo "<a href=updateProduct.php?id=".$row['id']. ">Edit</a>";  
echo "</td>";
```

Create New Product

We now want the ability to add a new product. Make a copy of the updateProduct.php file call it createProduct.php.

Change the title.

Completely remove the if (\$_GET) { } portion of the php code.

We need to change the sql in the \$_POST section from an UPDATE to an INSERT.

Change

```
$stmt = $DBH->prepare(  
    "UPDATE Products set product_name = :product,  
    product_description = :pd,  
    cost = :cost  
    WHERE id = :pid");
```

To

```
$stmt = $DBH->prepare("INSERT into Products  
(product_name,product_description,cost)  
Values(:product,:pd,:cost)");
```

Remove references to the \$pid in the php post and the input form and bindValue().

Also we need to initialise our database variables at the top of the php file

```
include('db.php');  
$product = "";  
$product_desc = "";  
$cost = 0.00;  
if ($_POST) {
```

Change the value on button on form from Update to Save

Change the action on the form from updateProduct.php to createProduct.php

```
<h2>Create Product</h2><br></br>
```

```
<form class='form-style' action="createProduct.php" method="post">
```

So our php code is now

```
1 <?php
2 include('header.php');
3 include('db.php'); //note we moved this line
4 $product = "";
5 $product_desc = "";
6 $cost = 0.00;
7 if ($_POST) {
8     $product = $_POST['product'];
9     $product_desc = $_POST['description'];
10    $cost = $_POST['cost'];
11    $stmt = $DBH->prepare("INSERT into Products
12        (product_name,product_description,cost)
13        Values(:product,:pd,:cost)");
14    $stmt->bindValue(':pd', $product_desc);
15    $stmt->bindValue(':product', $product);
16    $stmt->bindValue(':cost', $cost);
17    $stmt->execute();
18    include('error.php');
19    header("Location: products.php");
20 }
21 ?>
22 <h2>Create Product</h2><br><br>
23 <form class='form-style' action='createProduct.php' method='post'>
24     Product: <input type="text" name="product" value="<?php echo $product; ?>" />
25     Description: <input type="text" name="description" value="<?php echo $product_desc; ?>" />
26     Cost: <input type="text" name="cost" value="<?php echo $cost; ?>" />
27     <input type="submit" name="submit" value="Save" class='button' />
28 </form>
29 <?php include('footer.php'); ?>
```

Run it by clicking the “New” option on the menu from index.php

Extra Challenge

Add validation to the updateProduct.php and createProduct.php for the form fields. Do you see an opportunity for an include file ?

