

1. Create a Database, Table and Dump Sample Data

To create database run the following query in MySQL.

```
CREATE DATABASE cart;
```

To create a table run the following query.

```
CREATE TABLE IF NOT EXISTS `products` (  
  `id` int(10) NOT NULL AUTO_INCREMENT,  
  `name` varchar(250) NOT NULL,  
  `code` varchar(100) NOT NULL,  
  `price` double(9,2) NOT NULL,  
  `image` varchar(250) NOT NULL,  
  PRIMARY KEY (`id`),  
  UNIQUE KEY `code` (`code`)  
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```

Note: I have already attached the SQL file of this table with dummy data, just download the complete zip file of this tutorial.

2. Create a Database Connection

Create a **db.php** file and paste the following database connection in it. Make sure that you update these credentials with your database credentials.

```
// Enter your Host, username, password, database below.  
$con = mysqli_connect("localhost","root","","allphptricks");  
  
if (mysqli_connect_errno()){
```

```
    echo "Failed to connect to MySQL: " . mysqli_connect_error();

    die();

}
```

3. Create an Index File

Create an **index.php** file and paste the following script in the beginning of your file.

```
<?php

session_start();

include('db.php');

$status="";

if (isset($_POST['code']) && $_POST['code']!=""){

    $code = $_POST['code'];

    $result = mysqli_query(

    $con,

    "SELECT * FROM `products` WHERE `code`='$code'"

    );

    $row = mysqli_fetch_assoc($result);

    $name = $row['name'];

    $code = $row['code'];

    $price = $row['price'];
```

```
$image = $row['image'];

$cartArray = array(

    $code=>array(

        'name'=>$name,

        'code'=>$code,

        'price'=>$price,

        'quantity'=>1,

        'image'=>$image)

);

if(empty($_SESSION["shopping_cart"])) {

    $_SESSION["shopping_cart"] = $cartArray;

    $status = "<div class='box'>Product is added to your cart!</div>";

}else{

    $array_keys = array_keys($_SESSION["shopping_cart"]);

    if(in_array($code,$array_keys)) {

        $status = "<div class='box' style='color:red;'>

            Product is already added to your cart!</div>";

    } else {
```

```

$_SESSION["shopping_cart"] = array_merge(

$_SESSION["shopping_cart"],

$cartArray

);

$status = "<div class='box'>Product is added to your cart!</div>";

    }

    }

}

?>

```

The above script is just adding values of selected item into array so that we can display them into **cart.php** page.

Add the following script in the same file in body section to display a cart icon.

```

<?php

if(!empty($_SESSION["shopping_cart"])) {

$cart_count = count(array_keys($_SESSION["shopping_cart"]));

?>

<div class="cart_div">

<a href="cart.php"> Cart<span>

<?php echo $cart_count; ?></span></a>

```

```
</div>
```

```
<?php
```

```
}
```

```
?>
```

Add the following script in the same file after adding the above script to display products from database and display message after adding any product.

```
<?php
```

```
$result = mysqli_query($con,"SELECT * FROM `products`");
```

```
while($row = mysqli_fetch_assoc($result)){
```

```
    echo "<div class='product_wrapper'>
```

```
        <form method='post' action=''>
```

```
            <input type='hidden' name='code' value=".$row['code']. " />
```

```
            <div class='image'></div>
```

```
            <div class='name'>".$row['name']. "</div>
```

```
            <div class='price'>".$row['price']. "</div>
```

```
            <button type='submit' class='buy'>Buy Now</button>
```

```
        </form>
```

```
    </div>";
```

```
    }
```

```
mysqli_close($con);
```

```
?>

<div style="clear:both;"></div>

<div class="message_box" style="margin:10px 0px;">

<?php echo $status; ?>

</div>
```

4. Create a Cart File

Create a **cart.php** file and paste the following script in the beginning of file.

```
<?php

session_start();

$status="";

if (isset($_POST['action']) && $_POST['action']=="remove"){

if(!empty($_SESSION["shopping_cart"])) {

    foreach($_SESSION["shopping_cart"] as $key => $value) {

        if($_POST["code"] == $key){

            unset($_SESSION["shopping_cart"][$key]);

            $status = "<div class='box' style='color:red;'>

            Product is removed from your cart!</div>";


```

```

    }

    if(empty($_SESSION["shopping_cart"]))

    unset($_SESSION["shopping_cart"]);

    }
}
}

if (isset($_POST['action']) && $_POST['action']=="change"){

    foreach($_SESSION["shopping_cart"] as &$value){

        if($value['code'] === $_POST["code"]){

            $value['quantity'] = $_POST["quantity"];

            break; // Stop the loop after we've found the product

        }

    }

}

}

?>

```

The above script is performing two different things based on chosen action. If user click on remove item button, it will remove item from the cart. And if user changes the selected item quantity, it will also update the item quantity in the session array. If you want to display cart icon here so you can do the same which we did above in **index.php** file.

Add the following script in the body section of the **cart.php** file.

```
<div class="cart">

<?php

if(isset($_SESSION["shopping_cart"])){

    $total_price = 0;

?>

<table class="table">

<tbody>

<tr>

<td></td>

<td>ITEM NAME</td>

<td>QUANTITY</td>

<td>UNIT PRICE</td>

<td>ITEMS TOTAL</td>

</tr>

<?php

foreach ($_SESSION["shopping_cart"] as $product){

?>

<tr>

<td>
```



```
<img src='<?php echo $product["image"]; ?>' width="50" height="40" />

</td>

<td><?php echo $product["name"]; ?><br />

<form method='post' action=''>

<input type='hidden' name='code' value="<?php echo $product["code"];
?>" />

<input type='hidden' name='action' value="remove" />

<button type='submit' class='remove'>Remove Item</button>

</form>

</td>

<td>

<form method='post' action=''>

<input type='hidden' name='code' value="<?php echo $product["code"];
?>" />

<input type='hidden' name='action' value="change" />

<select name='quantity' class='quantity'
onChange="this.form.submit()">

<option <?php if($product["quantity"]==1) echo "selected";?>
value="1">1</option>

<option <?php if($product["quantity"]==2) echo "selected";?>
value="2">2</option>

<option <?php if($product["quantity"]==3) echo "selected";?>
```

```
value="3">3</option>

<option <?php if($product["quantity"]==4) echo "selected";?>

value="4">4</option>

<option <?php if($product["quantity"]==5) echo "selected";?>

value="5">5</option>

</select>

</form>

</td>

<td><?php echo "$".$product["price"]; ?></td>

<td><?php echo "$".$product["price"]*$product["quantity"]; ?></td>

</tr>

<?php

$total_price += ($product["price"]*$product["quantity"]);

}

?>

<tr>

<td colspan="5" align="right">

<strong>TOTAL: <?php echo "$".$total_price; ?></strong>

</td>

</tr>
```

```

</tbody>

</table>

  <?php
}else{

    echo "<h3>Your cart is empty!</h3>";

    }

?>

</div>

<div style="clear:both;"></div>

<div class="message_box" style="margin:10px 0px;">




<?php echo $status; ?>

</div>

```

The above script is simply displaying the products with full details, its price, units, image, and total amount. In here user can also select the quantity of its products. All messages of removing and adding quantity will also display here in the bottom. Sample screenshot is also attached below:

Shopping Cart

	ITEM NAME	QUANTITY	UNIT PRICE	ITEMS TOTAL	 Cart
	Laptop Core i5 Remove Item	1 ▼	\$600.00	\$600	
	Laptop Bag Remove Item	2 ▼	\$50.00	\$100	
				TOTAL: \$700	

5. Create a CSS File

Create an **style.css** file and paste the following style in it.

```
.product_wrapper {  
    float:left;  
    padding: 10px;  
    text-align: center;  
}  
  
.product_wrapper:hover {  
    box-shadow: 0 0 0 2px #e5e5e5;  
    cursor:pointer;  
}  
  
.product_wrapper .name {
```

```
    font-weight:bold;

}

.product_wrapper .buy {

    text-transform: uppercase;

    background: #F68B1E;

    border: 1px solid #F68B1E;

    cursor: pointer;

    color: #fff;

    padding: 8px 40px;

    margin-top: 10px;

}

.product_wrapper .buy:hover {

    background: #f17e0a;

    border-color: #f17e0a;

}

.message_box .box{

    margin: 10px 0px;

    border: 1px solid #2b772e;

    text-align: center;

    font-weight: bold;
```

```
    color: #2b772e;

}

.table td {

    border-bottom: #F0F0F0 1px solid;

    padding: 10px;

}

.cart_div {

    float:right;

    font-weight:bold;

    position:relative;

}

.cart_div a {

    color:#000;

}

.cart_div span {

    font-size: 12px;

    line-height: 14px;

    background: #F68B1E;

    padding: 2px;

    border: 2px solid #fff;
```

```
border-radius: 50%;

position: absolute;

top: -1px;

left: 13px;

color: #fff;

width: 20px;

height: 20px;

text-align: center;

}

.cart .remove {

background: none;

border: none;

color: #0067ab;

cursor: pointer;

padding: 0px;

}

.cart .remove:hover {

text-decoration: underline;

}
```