

PROJECT 2: Art Store**DIFFICULTY LEVEL:** Intermediate**Overview**

Demonstrate your ability to work with PHP by converting `Chapter08-project02.html` into a PHP file that looks similar to that shown in Figure 8.17.

Instructions

1. Copy the "start" folder into the htdocs folder of whatever web server you have installed (MAMP, XAMPP etc). You have been provided with an HTML file (`chapter08-project02.html`) that includes all the necessary markup. Save this file as `chapter08-project02.php` in the "start" folder.
2. Move the header and footer into two separate include files named `art-header.inc.php` and `art-footer.inc.php`. Use the PHP `include()` function to include each of these files back into the original file.
3. Use a for loop to output the special list (see Figure 8.17).

**HANDS-ON
EXERCISES****PROJECT 8.2**

Use a for loop to output these menu items.

The screenshot shows a web browser displaying the 'Art Store' application. The page includes a navigation bar with links like Home, About Us, Art Works, Artists, and Specials. A 'View Cart' section displays a table with columns: Image, Product, Quantity, Price, and Amount. The table lists two items: 'Artist Holding a Thistle' and 'Self-portrait in a Straw Hat'. Below the table, there are subtotal, tax, shipping, and grand total calculations. The footer contains links for About Us, Customer Service, and Just Ordered items.

Annotations with arrows point to the following elements:

- Move <header> element into separate file and include it.** (Points to the top navigation bar)
- Create function to output single table row.** (Points to a row in the 'View Cart' table)
- Do calculations and then output them.** (Points to the subtotal, tax, shipping, and grand total section)
- Move <footer> element into separate file and include it.** (Points to the bottom footer section)
- Use a for loop to output these menu items.** (Points to the 'Specials' dropdown menu)

FIGURE 8.17 Completed Project 2

4. Create a function called `outputCartRow()` that has the following signature:

```
function outputCartRow($file, $product, $quantity, $price) { }
```

5. Implement the body of the `outputCartRow()` function. It should echo the passed information as a table row. Use the `number_format()` function to format the currency values with two decimal places. Calculate the value for the amount column.
6. Replace the two cart table rows in the original with the following calls:


```
outputCartRow($file1, $product1, $quantity1, $price1);  
  
outputCartRow($file2, $product2, $quantity2, $price2);
```
7. The above variables are defined in the file `art-data.php`. You will need to include this file.
8. Calculate the subtotal, tax, shipping, and grand total using PHP. Replace the hard-coded values with your variables that contain the calculations. Use 10 percent as the tax amount. The shipping value will be \$100 unless the subtotal is above \$2000, in which case it will be \$0.

Test

1. Run your php file by typing `http://localhost/start/chapter08-project02.php` in your browser
2. Test the page in the browser.
Verify that the calculations work appropriately by changing the values in the `art-data.php` file.

Project 02 - Useful Hints regarding chapter08-project02.php structure

```
<?php

function outputCartRow($file, $product, $quantity, $price)
{
    echo '<tr>';
    echo '<td></td>';
    echo '<td>' ... '</td>';
    echo '<td>' ... '</td>';
    echo '<td>$' . number_format($price,2) '</td>';
    echo '<td>$' . number_format(...) '</td>';
    echo '</tr>';
}

$taxPercent = ...;
$shippingThreshold = ...;
$shippingFlatAmount = ...;

?>

<!DOCTYPE html>
...

<body>

Include header php file here...

<div class="container">

    <div class="page-header">
        <h2>View Cart</h2>

        <table class="table table-condensed">
            <tr>
                <th>Image</th>
                <th>Product</th>
                <th>Quantity</th>
                <th>Price</th>
                <th>Amount</th>
```

```

</tr>
<?php
    Include art-data.php here...
    outputCartRow($file1, $product1, ...);
    outputCartRow(...);

    // now calculate subtotal, tax, shipping, and grand total
    $subtotal = ($quantity1 * $price1) +...;
    $tax = $subtotal * $taxPercent;
    if ($subtotal > $shippingThreshold)
        shipping cost...
    else
        shipping cost...
    $grandTotal = ...;
?>

<tr class="success strong">
    <td colspan="4" class="moveRight">Subtotal</td>
    <td>$<?php echo number_format(...)?></td>
</tr>
<tr class="active strong">
    <td colspan="4" class="moveRight">Tax</td>
    <td>$<?php echo number_format(...)?></td>
</tr>
<tr class="strong">
    <td colspan="4" class="moveRight">Shipping</td>
    <td>$<?php echo number_format(...)?></td>
</tr>
<tr class="warning strong text-danger">
    <td colspan="4" class="moveRight">Grand Total</td>
    <td>$<?php echo number_format(...)?></td>
</tr>
<tr >
    <td colspan="4" class="moveRight"><button type="button" class="btn btn-primary"
>Continue Shopping</button></td>
    <td><button type="button" class="btn btn-success" >Checkout</button></td>
</tr>
</table>

</div> <!-- end main row -->

```

</div> <!-- end container -->

Include footer php file here...

```
<!-- Bootstrap core JavaScript
===== -->
<!-- Placed at the end of the document so the pages load faster -->
<script src="bootstrap3_defaultTheme/assets/js/jquery.js"></script>
<script src="bootstrap3_defaultTheme/dist/js/bootstrap.min.js"></script>
</body>
</html>
```

Function	Parameters
outputCartRow	\$file1, \$file2, \$product1, \$product2, \$quantity1, \$quantity2, \$price1, \$price2