

- For an additional challenge, try outputting positional information in each span's `style` attribute to group similar colors as shown in Figure 11.7 (right). You will need to calculate and output the `left`, `top`, and `z-index` CSS properties.

#### Test

- Test the page. Remember that you cannot simply open a local PHP page in the browser using its open command. Instead you must have the browser request the page from a server. If you are using a local server such as XAMMP, the file must exist within the `htdocs` folder of the server, and then the request will be `localhost/some-path/chapter11-project1.php`.
- Verify that the logic works by editing the `$increment` variable in the `rainbowIterator.php` file. Larger values will display fewer colors, and smaller values will display more colors.
- Hover over any of the `<span>` elements and verify the hexadecimal color show up in the title tooltip (see Figure 11.17).

### PROJECT 2: CRM Admin

**DIFFICULTY LEVEL:** Intermediate

#### Overview

Demonstrate your ability to work with PHP by converting `Chapter11-project2.html` into a PHP file that looks similar to that shown in Figure 11.18.

#### Instructions

- You have been provided with an HTML file (`Chapter11-project2.html`) that includes all the necessary markup. Save this file as `Chapter11-project2.php`.
- Move the header and the `<div>` for the left navigation area into two separate include files named `header.inc.php` and `left.inc.php`. Use the PHP `include()` function to include each of these files back into the original file.
- Examine and then include the provided `data.inc.php` file. This file contains PHP variables that you will use below.
- Use a `for` loop to output the list in the My Orders area (see Figure 11.18).
- Create a function called `outputOrderRow()` that has the following signature:

```
function outputOrderRow($file, $title, $quantity, $price) { }
```

- Implement the body of the `outputOrderRow()` 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.
- Replace the four cart table rows in the original with the following calls:

```
outputOrderRow($file1, $product1, $quantity1, $price1);
outputOrderRow($file2, $product2, $quantity2, $price2);
...
```



**CRM Admin**  
Order Summaries  
Examine your customer orders

**My Orders**

- Order #500
- Order #510
- Order #520
- Order #530
- Order #540

**Selected Order: #520**

Customer: Mount Royal University

Cover	Title	Quantity	Price	Amount
	Global Issues, Local Arguments	25	25	\$625.00
	The Prentice Hall Guide for College Writers	50	50	\$2,500.00
	Introductory and Intermediate Algebra 5e	40	35	\$1,400.00
	Literature and the Writing Process	300	20	\$6,000.00
Subtotal				\$10,525.00
Shipping				\$100.00
Grand Total				\$10,625.00

**Callouts:**

- Move <header> element into separate file and include it.
- Use a loop to output these list items.
- Create function to output single table row.
- Do calculations and then output them.

Move this <div> element into separate file and include it.

**FIGURE 11.18** Completed Project 2

- Calculate the subtotal, shipping, and grand total using PHP. Replace the hard-coded values with your variables that contain the calculations. The shipping value will be \$200 unless the subtotal is above \$10,000, in which case it will be \$100.

#### Test

- Test the page in the browser (see the test section of the previous section to remind yourself about how to do this). Verify that the calculations work appropriately by changing the values in the `data.inc.php` file.

### PROJECT 3: Share Your Travel Photos

**DIFFICULTY LEVEL:** Advanced

#### Overview

Demonstrate your ability to work with PHP by creating PHP functions and include files so that `Chapter11-project3.php` looks similar to that shown in Figure 11.19.

#### Instructions

- You have been provided with a PHP file (`Chapter11-project3.php`) that includes all the necessary markup. Move the header and left navigation boxes

