

### 8.10.3 Hands-On Practice

#### PROJECT 1: Art Store

**DIFFICULTY LEVEL:** Beginner

##### Overview

Demonstrate your proficiency with loops, conditionals, arrays, and functions in JavaScript. The final project will look similar to that shown in Figure 8.30.

##### Instructions

1. You have been provided with the HTML file (`ch08-proj01.html`) that includes the markup for the finished version. Preview the file in a browser.
2. Examine the data file `data.js`. It contains an array that we are going to use to programmatically generate the data rows (and replace the hard-coded markup supplied in the HTML file).
3. Open the JavaScript file `functions.js` and create a function called `calculateTotal()` that is passed a quantity and price and returns their product (i.e., multiply the two parameter values and return the result).
4. Within `functions.js`, create a function called `outputCartRow()` that has the following signature:

```
function outputCartRow(item, total) {}
```

5. Implement the body of this function. It should use `document.write()` calls to display a row of the table using the passed data. Use the `toFixed()` method of the number variables to display two decimal places.

Replace markup with JavaScript loop using supplied array data

Replace markup with calls to functions

Create function to output single cart row

Create functions to calculate these values




Product	#	Price	Amount
 Portrait of Martin Sookmans	3	\$75.00	\$225.00
 View of Houses in Delft	1	\$105.00	\$105.00
 Woman Reading a Letter	2	\$100.00	\$200.00
Subtotal			\$530.00
Tax			\$55.00
Shipping			\$10.00
Grand Total			\$605.00

FIGURE 8.30 Completed Project 1