

# JAVASCRIPT SHOPPING CART

## Objectives: Introducing JavaScript

**Task:** Create a web page with JavaScript to track and display an itemized shopping list and total.

### What Will the Application Do?

- Display a list of products and prices with Add buttons
- When the user clicks a Check Out button, display all the items purchased and their prices along with a grand total.

### Build Specifications

1. You need to have a list of items on the page to select from. When you click on the “add item” button, this item should be added to your shopping list.
2. Create array(s) to track the items that were added. Either:
  - a. Create two parallel arrays: one for the names and one for the corresponding prices, or
  - b. Create one array containing objects where each object includes the name and price.
3. Loop through the arrays, printing out the name and price of each item on a new line.
4. Total up the combined cost of all of your items with the amount’s label being “total.”

### Hints

- In JavaScript, arrays are enclosed in square brackets. [ ]
- Remember to keep track of the total of all the prices and print this separately.
- To keep it simple at first, consider displaying your output in an alert box. When that’s working, display it in the console.

### Extended Challenges

- Use Bootstrap and/or CSS to dress up the page
- Include quantities of items, consider the different ways you could get input from the user.
- Calculate and display sales tax (Michigan 6%) and grand total. Round all numbers to two digits.
- Make all “add item” buttons use the same method
- Figure out how to display items on html

