



CS 20 Web Programming

Assignment 3: Joe's Hotdogs

Objectives

Create an interactive experience using JavaScript

Tasks

Your assignment is to create a web page to get an order for a new café in Medford called “Joe’s Hotdog Stand”. Joe’s only sells three items: hotdogs (\$4.99 each), French Fries (\$3.99 each), and Drinks (\$1.79 each). Joe is swamped due to his delectable hotdogs and is hoping online orders will help to manage the flow better.

The page should do the following:

- ☐ ~~Create constants to store the price of each item.~~
 - ☐ ~~Using `prompt()`, ask the user three questions: how many hotdogs do they want, how many fries do they want and how many sodas do they want. When you get the values, store them in variables called `numDogs`, `numFries`, `numSoda`.~~
 - ☐ ~~Create a function called `showMoney()` that takes a floating point number as a parameter and returns a string that shows the number rounded to exactly 2 places. You should use an arithmetic calculation to do this — you may not use any built-in Javascript functions that do formatting such as `format()` or `toFixed()`. You may use `parseInt/parseFloat`, `ceil`, `floor`, `round`.~~

~~For example,~~

 - ~~— \$2.5 — should return 2.50~~
 - ~~— \$2.588 — should return 2.59~~
 - ~~— \$2.582 — should return 2.58~~
 - ☐ ~~Calculate the subtotal for the order based on the pricing and the quantities requested. Store in a variable.~~
 - ☐ ~~Implement Joe’s special offer — 10% discount if the order (before tax) is at least \$30. Store the discount amount in a variable. Update the subtotal.~~
 - ☐ ~~Add 6.25% Massachusetts meals tax to the new subtotal (after any discount is calculated). This is the final amount the customer will need to pay.~~
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Display all order information *on the page*:

- quantity of each item ordered and the total cost for that item
- subtotal before discount
- discount, if applicable
- subtotal after discount
- tax amount
- final total

Rubric

All deliverables provided – 10 points

Page runs to spec online – 70 points

Quality of code/Effort - 20 points

Deliverables Worksheet: Assignment 3

URL for page online (use any hosting) sparek01.github.io/cs20-hw3

☐ HTML file uploaded to Canvas

Is there anything you did not get to work?

Everything works to my knowledge

Question:

- What do you think of JavaScript as a programming language as compared to C++
I find it more difficult to use because it just seems less intuitive to me. I like how logical C++ seems, especially because you get compiler errors so you know if things are wrong before they actually run. But that could be because I've taken 2 classes in C++ and I've only known JavaScript for a few days.
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