6-3 Final Project Script Two Submission: Grocery List Script

I really enjoyed writing this script, it was fun to put dictionaries and lists into action, and append them appropriately. I feel I still need to get a more firm grasp on loops, but with practice I know I will master it, and it will 'click'. A really good site to practice Python, and any language for that matter, is Codecademy. I started using Codecademy about two years ago, it also has a great support community, which is less strict than Stackoverflow.com, and more friendly.

I need to have things visually organized, therefore I wrote out all the variables which were used in this script at the top, similar to an index. This made referencing easy, for example 'cost' vs 'price', cost was the actual $$$ for the item, but cost was the key in the dictionary, mental organization so to speak. Additionally, on this final script, I adjusted the comments so there were headers (column 1 - 81), breaking the script into clear sections as to what was going on:

1. List of variables
2. Defining dictionary and list
3. Add values to the dictionary 'grocery_item'
4. Adding the dictionary values to the list 'grocery_history'
5. Final calculations & print

Majority of the inline comments I indented to column 61, maintaining a visually clear comment section that was easy to follow.

For this project, I used a lot of outside sources. I used repl.it to run the code, test, and debug. I also used Atom, to save the .py file, and also write all the comments. As with previous files, I found the best way to debug this script, was to use the print() function. I was able to double check that user input was accepted accurately, grocery items were added to the dictionary, and the dictionary data was added correctly to the final list. The is also a great way to make sure your math equations, tough as simple as they are, are correctly written in the code. All this I did in repl.it.

The only error I had in the draft was not including 'import sys' on the first line, because I didn't include this, the formatting for decimals did not work correctly, and therefore my numbers came out as $3.5 instead of $3.50. This was fixed.