Jason Marcil

IT-140 Final Script Project 2 – Grocery List

I found lists and dictionaries to be some of the easier concepts to grasp in my learning thus far. I did run into issues of needing to remember when to use the correct type of brackets ({} for lists vs. [] for dictionaries). In my discussion post for this module, I picked an example where it may be easier to use a dictionary rather than a list because it was easier to link variables to their values. The example was temperatures on certain days of the week. I think that this grocery list project is a good way to show how lists, dictionaries, and loops can be used in the same program. For this project, the dictionary is created by what the user inputs into the program.

item\_name = input('Item Name:\n') #accept item name

quantity = input ('Quantity purchased:\n') #accept quantity purchased

cost = input('Price per item:\n') #accept item price

Once the user has inputted the grocery item, quantity, and cost, a list is created that includes all the information about the grocery item.

grocery\_history=[{'name': 'milk', 'number': int(1), 'price': float(2.99)},

{'name': 'eggs', 'number': 2, 'price': 3.99},

{'name': 'onions', 'number': 4, 'price': 0.79}]

The user is prompted to either enter another item or quit to summarize the cost of all items on this list, via a “while” loop.

while stop != "q":

stop = input("Would you like to enter another item? \nType 'c' for continue or 'q' to quit:\n")

Once the program loop ends from the user inputting “q” the totals are calculated.