Shop	ping Calculator Program Requirement
Requir	red Input
lter	ogram should accept user input for grocery items.  Item name (string)  Item quantity (integer)  Item price (float)  m quantity and price should be numerical i.e., integer or float. If a user inputs a non-merical value for either of them, the program will print an error message and ask for out again. The program should run until the user presses the "Enter" Key on an item name quest.
Each it	em properties can be stored in a list after input and calculations.
Discou	unted Items
Create	a list of items that should be discounted:
	Candy
	Eggs
	Flour
	Hummus
	Ice cream
	Chicken soup
	Diapers
	user inputs more than one of the same of a particular item on this list a 5% discount
	be applied for each item after the first one up to a maximum of 20%
	1 item of candy costs 1.29. This is a discounted item, but the user is
	purchasing only 1. They are not eligible for a discount.
	2 items of candy cost 1.29, but since this is a discounted item a 5% discount is applied. Each item of candy now costs 1.2255, for a total cost of 2.451. The amount should appear as '\$2.45' on the receipt.

## Formatting currency

appear as '\$3.48' on the receipt.

Currency should always be formatted to two decimal points with f-strings.

☐ 3 items of candy cost 1.29, but now a 10% discount is applied. Each item of candy now costs 1.161, for a total cost of 3.483. This will

## Receipt

After all items have been entered by the user, an itemised list should be displayed. Each line item should have its name, quantity, price (discounted or otherwise) and total amount in

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dollars. There should be a total of all items purchased and the amount saved on discounted items.

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Add provisions for program to be able to quit gracefully before any item is inputted.
Program should be able to accept items not in the discount list.
Input validation of quantity and price should accept only integers and float up to two
decimal points respectively. An error message should be displayed if validation fails.
How can we validate item names?