**Shopkeep Ruby Test**

**Stock Items Importer / Exporter**

Create an importer/exporter which accepts stock item data in csv format and exports it as JSON. It needs to handle stock items and csv -> JSON, but we expect to have other models and formats very soon,and so it should be easy to extend in this way.

Along with a number of standard parameters, stock items are assigned a 'price\_type' and may have 0 or more 'modifiers'. A price type of 'system' means that the price is set by the store owner ahead of time, a price type of 'open' means that it is set at the time of the sale (for example, delivery is not a pre-defined price, it varies at the time of sale). Modifiers are simply alterations to the item being sold which include a price, like a small coffee being less expensive than a large coffee.

This should be coded as if it were being added to a large scale production system and should be representative of the type of work you would submit to such a system and be proud of. Feel free to include a writeup with your submission explaining the design, or outlining any assumptions you made while building it.

**Example Input**

item id,description,price,cost,price\_type,quantity\_on\_hand,modifier\_1\_name,modifier\_1\_price,modifier\_2\_name,modifier\_2\_price,modifier\_3\_name,modifier\_3\_price

111010,Coffee,$1.25,$0.80,system,100000,Small,-$0.25,Medium,$0.00,Large,$0.30

111784,Delivery,,,open

111022,Bagel,$3.45,$2.00,system,9855,Cream Cheese,$1.00

2847224,Orange Juice 48,$68.57,,system,0,Small,$0.00,Medium,$1.00,Large,$2.50

2847225,Milk 49,$70.00,49,system,510

2847226,Ciabatta 50,$71.43,,system,0

2847227,baguette 51,$0.00,,open,0

2847228,Sour Dough Boule 52,$74.29,,system,0

2847244,Whole Coffee Cake 68,$0.00,,open,0

2847229,Country Wht Boule 53,$75.71,,system,0

2847230,Semolina Batard 54,$77.14,,system,0

2847231,Multigrain Batard 55,$78.57,,system,0

2847232,Focaccia 56,$80.00,56,system,440

2847233,Rolls 57,$81.43,,system,0,Jelly,$.75,Peanut Butter,$1.12

**Example Output**

[

{

id: 111010,

description: 'Coffee',

price: 1.25,

cost: 0.80,

price\_type: 'system',

quantity\_on\_hand: 100000,

modifiers: [

{

name: 'Small',

price: -0.25

},{

name: 'Medium',

price: 0.00

},{

name: 'Large',

price: 0.30

}

]

},{

id: 111784,

description: 'Delivery'

price: nil,

cost: nil,

price\_type: 'open',

quantity\_on\_hand: nil,

modifiers: []

},

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]