



## Sky and Formula Developer Submission

You are building the backend for an online shopping site.

The client sells several items, which are identified by Name, Type and Price.

A promotion can be applied to any item or type of item.

The Shopping Cart can have a list of items which have corresponding quantity and total price (per item) before and after promotion.

Following TDD principles implement a solution that outputs the content of the shopping cart for the following scenario:

Items available

Item name	Type	Price
Headphones	Audio	150.00
Speakers	Audio	85.00
AAA Batteries	Power	0.85
Protein Bars (Box)	Food	25.00

Promotions

30% discount on price	All audio
3 for the price of 2	AAA Batteries

Shopping Cart items

Item name	Quantity
Speakers	1
AAA Batteries	5
Protein Bars (Box)	2

### Notes:

- No need for database, in memory solution is sufficient
- Output can be simple print to console