

# Checkout C# Test

## Requirements

Create a C# simple client and service for a supermarket checkout basket total.

The service must calculate the total price for a number of items by summing their prices including applying any relevant discounts.

Goods are priced individually however there are weekly special offers for when multiple items are bought. For example "Apples are 50p each or 3 for £1.30".

Weekly offers change frequently so it is important to provide the ability to change them.

Example price list

SKU	Description	Unit Price	Special Offer
A99	Apple	0.50	3 for 1.30
B15	Biscuits	0.30	2 for 0.45
C40	Coffee	1.80	
T23	Tissues	0.99	

The checkout client must accept the items in any order, and any multiples, and may not be scanned in sequence. Upon checkout the basket must be sent to the service which will return a total for the provided basket. The client will then display this.

The input (scan) to the application should be via command line, to keep the solution simple. This should be in a separate project if part of one solution.

## Notes

The solution UI and data storage is not the subject of the test - so an MVP approach should be used so long as it meets the requirements.

The solution setup / layout is important, and unit testing and test coverage should be considered. As should defensive programming techniques.

Include a readme to detail how to test the application.

All code must be submitted to a git repository for sharing. Keep a copy as the application may be discussed during any further interview.