

Coding Challenge

Intro

What we are looking for: functionality, efficiency, readability and tests.

Use this test to demonstrate your understanding of Ruby, OO and TDD.

- Use git to version control the code
- Avoid using any scaffolding tools
- Use a code formatter or linter
- Write unit tests where applicable
- Include instructions in a README on how to run the application and how to run the tests

Submission

Publish your code on GitHub and send us a link, or email us a zip file with the code.

Challenge

our client is an online marketplace, here is a sample of some of the products available on our site:

Product code	Name	Price
001	Lavender heart	£9.25
002	Personalised cufflinks	£45.00
003	Kids T-shirt	£19.95

Our marketing team want to offer promotions as an incentive for our customers to purchase these items.

If you spend over £60, then you get 10% of your purchase

If you buy 2 or more lavender hearts then the price drops to £8.50.

Our check-out can scan items in any order, and because our promotions will change, it needs to be flexible regarding our promotional rules.

The interface to our checkout looks like this (shown in Ruby):

```
co = Checkout.new(promotional_rules)
co.scan(item)
co.scan(item)
price = co.total
```

Implement a checkout system that fulfills these requirements.

Test data
Basket: 001,002,003
Total price expected: £66.78
Basket: 001,003,001
Total price expected: £36.95
Basket: 001,002,001,003
Total price expected: £73.76
