



Coding challenge

Price calculation

Create a customer basket that allows a customer to add products and provides a total cost of the basket including applicable discounts.

Available products

Product	Cost
Butter	£0.80
Milk	£1.15
Bread	£1.00

Offers


- Buy 2 Butter and get a Bread at 50% off
- Buy 3 Milk and get the 4th milk for free

Scénarios


- **Given** the basket has 1 bread, 1 butter and 1 milk **when** I total the basket **then** the total should be £2.95
- **Given** the basket has 2 butter and 2 bread **when** I total the basket **then** the total should be £3.10
- **Given** the basket has 4 milk **when** I total the basket **then** the total should be £3.45
- **Given** the basket has 2 butter, 1 bread and 8 milk **when** I total the basket **then** the total should be £9.00

Design


PRODUCTS



Whole french bread ★★★★★
made in paris and destined to the whole world **£1.00**
[ADD TO CART](#)




Fresh Swiss milk ★★★★★
semi skimmed milk that comes straight from the alpes farmers **£1.15**
[ADD TO CART](#)




Butter ★★★★★
produced by us to insure a high quality butter **£0.80**
[ADD TO CART](#)


CART



Butter
quantity - 2 + **£1.60**



Fresh Swiss milk
quantity - 3 + **£3.45**



Whole french bread
quantity - 1 + ~~£1.00~~ **£0.5**

Subtotal
£6.05

Discount
£0.5

Total
£6.00

Requirements :

- 1 - Build reusable components
- 2 - Build the app based on a functional component.
- 3 - Frameworks to use: (react and redux)
- 4- Try to optimize rendering time as much as possible.

NB:

- Once you are done, publish your code to a github repository, then share the link with us
- You will be judged on code quality and architecture, as well as functionality.
- There's no specific deadline for the challenge submission, but the earlier the better.