

Kotlin Tech Test

Shopping Cart

The technical task we would like you to complete is to implement a digital shopping cart. Think of the basket on an ecommerce website or at the self-serve checkout in a supermarket.

You should implement the task in Kotlin and it should take you anywhere between 1 and 3 hours.

Any assumptions or narrative you'd like to attach to your solution please provide this in a bundled readme file.

Once completed please package your solution up as a zip and send it back to us.

Requirements

- You should be able to add items to the shopping cart
 - This includes multiple items of the same kind
- You should be able to remove items from the shopping cart
- An item represents a product you'd put in a shopping cart, e.g. cornflakes, bread, pasta, etc
- You should be able to produce an itemised receipt for the items in the shopping cart. Think of the type of receipt you would get in the supermarket.
- You should be able to apply an offer to the shopping cart
 - The offer you should be able to apply is a 2-for-1 offer (i.e. If you have two boxes of cornflakes in your basket and the 2-for1 offer applies to cornflakes you should get one of the boxes for free)
 - The offer also applies for any multiples of 2 (i.e. if there are four items of the applicable item in the cart then they should get two of those for free and so on)
- You don't have to worry about implementing an interactive UI, API endpoints, logging or anything like that. Domain functions and running/passing tests is all that is required.

Good Luck!