

# Full Stack Assignment

## Intro

Congratulations! You have made a particularly good impression and have passed the first interview! We are now looking forward to the second interview, where you will get to show off all your technical skills.

Instead of just talking about programming, we'd like to look at some code you've written. We believe that technical conversations will be better if we start from something concrete, instead of just talking loosely about various technical terms. In addition, we do not believe that people necessarily get to show off what they can do "on the fly" in front of a whiteboard during the interview itself. Therefore, we would like you to take on an assignment as a starting point for a technical conversation in the second interview.

This assignment will be used as a discussion during a technical interview. The primary values for the code we look for are: simplicity, readability, maintainability, testability. It should be easy to scan the code, and rather quickly understand what it's doing.

You may choose any coding language, and we look forward to discussing your choice.

## The Task

The assignment is to implement a warehouse software. This software should hold articles, and the articles should contain an identification number, a name and available stock.

The warehouse software should also have products, products are made of different articles. Products should have a name, price, and a list of articles of which they are made from with a quantity.

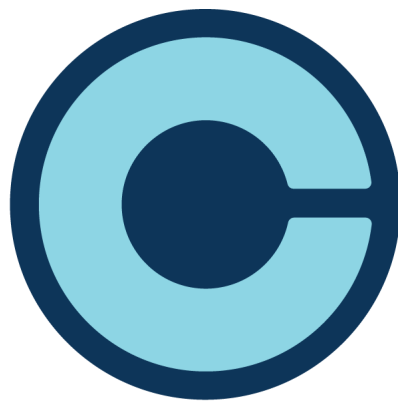
The warehouse should have at least the following functionality:

- Get all products and quantity of each that is available with the current inventory
- Remove(Sell) a product and update the inventory accordingly

You are free to implement this as you see fit and in such a way that shows off the skills you want to show off.

It is not intended that you should spend years and days on the solution. Spend time on what you think is fun or important to spend time on. Do you have a lot of other things to do? Create a minimal solution, then we can talk about what you would have done if you had more time.

Good luck! We look forward to seeing how you solve the task!



**computas**