

## Vending Machine - a programming task

### Why a programming task?

In order to get an impression of your coding skills we are asking you to do what you do best - write some code. Solving the following task will give us a basic understanding of your style and will be used as a basis for further questions and open technical discussion.

There is no right or wrong solution, we just want to see how you will approach the problem.

### The Task

Implement a simple vending machine that offers different products. The machine can hold up to 10 products of the same type. The products may be priced differently. Create several demo products of your choice. Only coins of 10st, 20st, 50st, 1lv, 2lv shall be accepted. The machine shall not return any change. It must be accessible by web services. The following actions shall be available:

### Inventory

- CRUD operations for the products (add, update, remove)

### Vending

- Insert coin
- Reset (return inserted coins)
- Buy a product

Do not build any UIs. Persistence of the inventory is not required. Make sure you test your services to ensure correct functionality and properly handle errors.

### Requirements

There are no special requirements on the architecture, frameworks, build tools etc. The only requirements are:

- Java 8 or higher
- A documented web service interface
- Readme file on how to build and start the project

Send us your code in any form you wish - link to github or other repository, zip file via email, etc.

We recommend spending 2-6 hours max. You can also submit an incomplete solution. For us it is important to see your approach to solving the problem.

Good luck!