

How do you design a Coin-Operated Soda Machine (Máy bán nước tự động)?

At MoMo, our most important feature is payments. At the initial step, candidate need to provide a solution for Coin-Operated Soda Machine (4 steps below*), and then you will move to the next step which will be the more complicated payment system of MoMo.

Do not worry if you have never used this machine (because there are not too many in Vietnam); The design requirements below will give you the full details. By the way, this kind of real-world problem is also a good exercise to improve your object-oriented analysis and design skills.

Here are the Requirement statement (*)

You need to design a Coin-Operated Soda Machine which:

Accepts notes of 10.000, 20.000, 50.000, 100.000, 200.000 VND

Allow user to select products Coke (10.000), Pepsi (10.000), Soda (20.000)

Allow the user to receive a refund by canceling the request.

Release the selected product and remaining change if any

Note:

1. Suggested output format: Java Console Application (you can still create a web app, or an Android, IOS application ... if that's your strength)
2. Submit all source code
3. Treat it as production code and show all your programming skills