We are absolutely thrilled you are interested to join us at Rohlik Group. By now we have spoken to you about your experience and personality in great detail. Next step is to find out how you tackle a task in reality and hear you think

Java Developer

Task

Write an application, which will be using a REST interface to maintain a database of products and orders.

REST order operations

- creation of the order

- cancellation of the order

- payment of the order

REST product operations

- creation of the product

- deleting product

- actualisation of the product - actualisation of product quantity in stock, name, ...

Every product must have a name, quantity in stock and price per unit. The order can be for 1 or N existing products and for any unit quantity (e.g. 5 bread, 2 bottles of milk, …), but it is always necessary for all the products to be in adequate quantity in stock during the creation of the order.

If this condition is not met, an answer for calling of the endpoint for creation of the order will be items, for which there isn't enough quantity including the missing quantity.

Work with the fact that every order is decreasing the number of available items for following orders, even in case that the order is not paid yet, for the period of max 30 minutes, then a new order must be submitted (the current order is invalid). Cancellation of the order releases the reserved goods.

The choice of the technology is yours, in general we recommend Spring Boot 2, Tomcat, Java 8+, H2 in-memory DB. The way of realization of this task is on you, such as: supporting sheets, documentation of endpoints (e.g. using Swagger), tests.

Format

We are not strictly set on the form of the presentation. Whatever works for you and you are comfortable with, works for us. So if you just want to have an open forum discussion without any materials, we are in. If you want to present any documents to us, we will provide the tools for it or bring your own. Just let us know.