Assignment for Candidates DevOps Engineer @CoPE, Colibri, Marmot

Quest:
Build Micro Services for Ordering System for some (hardware) products.
Do not invest more than 4h of work. If you do not manage to complete some parts, we will have time to discuss the details. We are mainly interested in the design decisions you make and the way you implement the code.

Use the following technologies:
- Spring Boot
- Java 11
- REST-ful API

As a starting point, you can of course use https://start.spring.io/. Optionally, you can add persistence, e.g. with H2 in memory DB. Otherwise, pure in-memory storage (e.g. java.util.Map) is ok.

Requirements (main functionality - API):
- manage product catalog (prio 1)
  - products have a type, name and description
  - allow adding new products to catalog
  - allow removing products from catalog
  - get information about stock for product
  - stock product (increase the number of available items of a product)
- ordering of products (prio 2)
  - only known products are orderable
  - check on stock is done
  - possible Exceptions can be treated (Cancel Order….)
  - orders have a state (running, delivered, cancelled….)
  - stock updated on delivery of order
  - show status and content of orders

Out of Scope:
- User interface

Delivery of Solution:
- Deliver ZIP Data or GitHub (URL)
- Capture remarks according stuff you have not done, but you would do (if timeframe would be bigger)