**Bar tender**

Design and implement a simple web application exposing HTTP API that simulates the bar tender service. It should:

1. accept POST requests with customer number and drink type (BEER|DRINK) and:
   1. respond with 200 code when ordered drink will be served
   2. respond with 429 code when order is not accepted at the moment
2. keep track of served drinks and customers and expose endpoint which lists them

Functional requirements:

1. The barman can prepare at once 2 beers (drinks of BEER type) or 1 drink (DRINK type)
2. Preparing one drink takes X seconds (5 by default but value should be configurable) regardless of drink type
3. Drink request should get the response as soon as barman starts to prepare a drink. It should not be delayed for the time of the drink preparation.

Non-functional requirements:

1. Service should be idempotent
2. Requests should be audited using application log

Assumptions:

1. When answering OK for a drink request the barman prepares the drink in configured time X without any further requests or notifications
2. Application runs in-memory, there is no persistent storage
3. Application runs on a single node

Any further assumptions should be documented.

Code should be in Java, but you can use any frameworks and data formats that are suitable.

**We value Object Oriented Programming principles and "clean code" best practices.**

**Optional part(s)**

Response for the POST drink request can be delayed up to Y seconds (2 by default but value should be configurable) while request is waiting for the barman to be free.

Optional part are not obligatory. Providing the presented solution meets our design and coding standards it can be a topic for a discussion during a face to face interview.