

JAVA Developer - API Test

Hello,
You have 4 hours.
Do your best, make sure that you do deliver something working, and clean.

You need to create a rest service called "FizzBuzz", preferred in Spring Boot 2.X.

The rest service has 1 endpoint using:

Endpoint: /fizzbuzz?entry=[int]

The output is formatted in JSON

That endpoint will apply the fizzbuzz output with the following rules:

If the entry is a multiple of 3, the output must be "fizz"

If the entry is a multiple of 5, the output must be "buzz"

If the entry is a multiple of 3 and 5, the output must be "fizzbuzz"

Otherwise the output must be the entry

An error is thrown if the entry is not a Int

If there is no entry or it's empty, the output must be an array with all the answers from 1 to 100.

Implementation of unittest and integration tests are also required.

Optional things todo:

- Write a Dockerfile and a docker-compose file to run the rest service
- Allow to pass an array of entries and give the answer for each element of the entry in the output
- Implement another rule: If the entry if multiple of 7 then output "Bazz" if multiple of 3 and 7 output "FizzBazz", if multiple of 5 and 7 output "BuzzBazz", if multiple of 3, 5 and 7 output "FizzBuzzBazz"