# Backend Developer

Hello!

You just received an invitation for another stage about our talent acquisition process. We have prepared a short challenge to know a little bit more about your background.

## Instructions:

**Do not fork**. Clone and push to your own repository (github/gitlab/bitbucket) with the init commit, then make the changes so that we can see what changes you did via git-diff from init commit <u>or</u> via a pull (github) or merge (gitlab) request.

## Technical Exercise

1. Follow <u>README-DevEnv.md</u> to setup dev environment for exercise
   - Able to run locally, debug, unit-test
   - Able to smoke-test and performance test

2. Enhance product service
   - Delete product rpc call
   - Wire into <u>smoketest.sh</u>
   - Wire into perf-test
   - Wire unit-test for this method

3. Enhance order service
   - List orders rpc call
   - Wire into <u>smoketest.sh</u>
   - Wire into perf-test
   - Wire unit-test for this method

4. Execute performance test
   - **Question 1:** Why is performance degrading as the test runs longer ?
   - **Question 2:** How do you fix it ?
   - **Fix the performance issue.**

Please, answer the questions in English.

Good luck!