

Test task

For junior Java developer

You must implement an HTTP API server with basic CRUD operations for the Customer entity.

Expected result: link to git repository.

Backend - Spring (better with Spring Boot).

Frontend - not needed.

Database - any relational persistent SQL DB (MySQL/PostgreSQL/...).

Authentication - not required.

Endpoints

Create customer

POST /api/customers

Content-Type application/json

Body:

fullName: String (2..50 chars including whitespaces)

email: String (2..100 chars, unique, should include exactly one @)

phone: String (6..14 chars, only digits, should start from +, optional field)

Response body:

id: Long

fullName: String

email: String

phone: String

Read all customers

GET /api/customers

Response body:

List of:

id: Long

fullName: String

email: String

phone: String

Read customer

GET /api/customers/{id}

Response body:

id: Long

fullName: String
email: String
phone: String

Update customer

PUT /api/customers/{id}
Content-Type application/json
Body:

id: Long
fullName: String (2..50 chars including whitespaces)
email: String (not editable)
phone: String (6..14 chars, only digits, should start from +)

Response body:

id: Long
fullName: String
email: String
phone: String

Delete customer

DELETE /api/customers/{id}
Just mark a customer as deleted, but leave his data in DB. Related DB column: is_active.

Database structure

customer table

id: bigint
created: bigint
updated: bigint
full_name: varchar
email: varchar
phone: varchar, nullable
is_active: bool