Task for Junior developer

# Introduction

Create a Java application with 2 modules – Person module and Position module. The deadline is 3 days. Solutions under version control systems are desirable. If used any, the repository have to be enabled for public forks.

## Definitions

### Person

#### Id

#### Name

#### Surname

#### Gender

#### Age

#### List<Skill >

#### Status

Person Status

### Skill

#### Id

#### Name

#### Person

### Person Status

Enum

#### JOB\_SEEKER

#### EMPLOYED

#### UNEMPLOYED

### Work Position

#### Name

#### Created date

#### Status

Position Status

#### Worker

Person

### Position Status

Enum

#### CATCHED

#### VACANT

#### INACTIVE

## Abbreviations

### CRUD

Create, Read, Update, Delete operations

# Product Features

## Person module

### CRUD operations of the Person

### CRUD operations of the Skill

## Position module

### CRUD operations for Work Position

# Constraints

* Name, Surname, Gender, Age are the mandatory fields for the Person
* When Person created, the Status must be the UNEMPLOYED
* Name and Person are the mandatory fields for the Skill
* After Skill added to the Person, Status must be changed to JOB\_SEEKER
* Name and Created date are mandatory fields for the Work Position
* When Work Position created, Status must be the INACTIVE
* Worker can be added only to the Work Position which is in VACANT Status
* If Worker added to the Work Position, Status of the Work Position must be the CATCHED and the Status of the Person must be the EMPLOYED

# Quality Ranges

* Applied stacks
* Coding styles
* Executability - non executable solutions also acceptable if approach is correct
* Testability (preferred)

# Applicable Standards

* REST
* Spring Boot
* Spring Data Jpa
* Spring Cloud Open Feign or alternatives
* Any relational DB
* Map Struct
* Lombok
* Gradle
* Swagger