

Coding task:

Assume that we are creating a part of an HR platform for adding and monitoring job candidates and their skills in order to facilitate HR processes within a company .

The task is to implement Java (Maven) project for adding, updating, deleting and searching job candidates and their skills (basic CRUD operations).

Here is list of requirements that should be taken into consideration:

- Each job candidate has the following attributes: name (full name), date of birth, contact number, E-mail and the list of skills which
 - he/she possesses (like Java programming, C# programming, Database design, English, Russian, German language ...)
 - Each skill has its name
- 1) Create database model and appropriate tables for job candidates and skills (you can use any relational database you prefer)
 - 2) Create appropriate java DAO and service classes which represent these functionalities
 - 3) Expose these functionalities through REST web services with following operations: add job candidate, add skills, update job candidate with skill, remove skill from job candidate, remove candidate, search candidate by name, search all candidates with given skill(s) (for e.g. Java programming)
 - 4) Extra points for JUnit tests for service layer
 - 5) Extra points for JUnit tests for rest APIs
 - 6) Extra points for implementing Swagger
 - 7) Extra points for implementing UI via React