

## Application as Java Developer

### Step 2: Assessment

Due to the COVID-19 crisis and the new circumstances we face, we had to change our application process. Normally our candidates would be invited to our company headquarter to undergo an assessment on site. Since this is not possible in the current situation, we prepared a test which they can do from their homes.

Finally, the day of your assessment has arrived. Hopefully, you have setup your development environment and are ready to start. If not, do not worry, you will have enough time to do it even today.

Your task is to develop a Java application that allows searching and showing a set of raw data from a text file. The raw data has been sent to you via email.

If you have any trouble getting that file, please contact us as soon as possible so we can provide it to you by another way.

Your tasks are the following:

- Parse raw data and store it into a structured database. Use the following PostgreSQL server:
  - Address: 2.57.174.47
  - Port: 5544
  - User: candidate\_2
  - Password: i13sb41t9ry29q7bfpf90kfv66ie6bq8
  - Database: candidate\_2
- Provide a way to show/search the data stored in the DB. The search should return at least matching series and their year of publication. If you have time, feel free to add more search criteria.
- You are not required to develop a good-looking GUI, any form of visualization is accepted (Command line,...). Please focus on well-structured code rather than a nice GUI.

We want you to keep the following in mind:

1. Work on this task alone.
2. Focus on clean, well-structured, readable, and extensible code.
3. Favor POJO instead of fancy frameworks.
4. Send your solution to us until 16.00
5. Keep in mind the points given in the preparation document.

If you have any questions during your task, feel free to contact us at any time during your assessment.

Good luck!