

Application as Java Developer

Step 2: Assessment

Due to the corona 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 an assessment which you can do from home.

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 create a Java wrapper to access a REST API. Normally we would have let you access one of our own APIs but since that's not possible, you will use the publicly accessible TVmaze API (<http://www.tvmaze.com/api>).

Your goal is to create a **library** that can be used as a **maven** dependency in another application.

Write a small command line sample application, packaged as a JAR file that uses your library to demonstrate its usage.

The software should provide at least these features:

- Search for content by name
- The returned result must at least contain the most important data like the title, the year and its rating.
- If you have enough time you can wrap further functionality provided by the TVMAZE API

We want you to keep the following in mind:

1. Work on this task alone.
2. Focus on clean, well-structured, readable, stable and extensible code that is very easy to integrate in other projects and has a minimum of dependencies.
3. Favor POJO instead of fancy frameworks. Elegant simplicity is what we want to see, not a 20MB dependency tree.
4. Do not copy existing libraries available for this API. You have enough time to create an own one.
5. Send your solution to us until 16.00!
6. Please also 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!