

# FYLTURA

## Java Backend UI Developer

### jbu-1624091298

Name

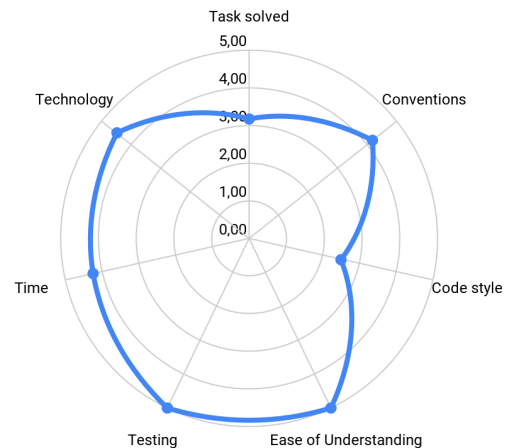


Presented to candidate 15 June 2021 / Review 22 June 2021

The candidate has very good Java and good API design experience. The candidate's task completion time was one of the top. On the downside, there is room for improvement in the candidate's code review skills.

## EXECUTIVE SUMMARY

- The candidate provided working solutions to all tasks.
- For the review task, the candidate found a good amount of issues.
- The candidate wrote 14 unit- and system-tests.
- The code style was good.
- The provided code was good to understand at all times.
- The git usage was ok.
- The candidate worked for ~5h to provide the solution.



## DETAILS

### Good

- The candidate provided a working solution to all tasks.
- The project setup was well done. The candidate used gradle to build the application.
- Regarding testing, the candidate wrote a good amount of sophisticated unit-tests for the first and the second task.
- The git usage was good. The candidate used feature branches.
- The project was built and ran without problems. All tests were green.
- The candidate spread their<sup>1</sup> work over 5 hours which is below average for the provided solution.

### Neutral

- At times, modern Java Map methods were not used, i.e., `putIfAbsent()`

### Bad

- For the first task, the candidate made the solution more complex than what the task called for. They created a graph before any calculation.
- For the second task the solution used recursion which was considered as bad design as it may cause stack overflows. The candidate provided a solution by creating two lists of ancestors and creating the intersection via `retainAll()`.
- The API design was stateful, but only for one graph. The API tree-import of the candidate used status code 204 without any content. This was ok for the given code, but implied that only one graph can be handled at time.
- The candidate wrote no system tests.

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<sup>1</sup> We use they, them, their for gender-neutral language as we do not know anything about the candidates preferences