



Java/Kotlin Developer Assignment

TedTalks Influence Analysis

20 November 2024
Versie 1.0

The assignment

iO Knowledge Sharing Platform: TedTalks Edition

Java/Kotlin Developer Assignment: TedTalks API

Background:

At iO, we value curiosity and knowledge sharing. We're initiating a project to build a platform that fosters these qualities, starting with a TedTalks-focused pilot. Your mission is to develop a backend system that manages TedTalks data and provides insights into speaker influence.

Project Requirements

Minimum Viable Product (MVP)

Create an application that imports TedTalks data, provides data management capabilities, and includes a feature for analyzing speaker influence with a framework of choice.

Scope

- Data import from a provided CSV file
- Basic data management operations
- Speaker influence analysis

Obligatory Features

1. **Data Management:** Implement a system to manage TedTalks data
2. **Data Import:** Develop functionality to import TedTalks from the provided CSV file
3. **Influence Analysis:** Create a method to identify influential TedTalk speakers

Note: A TedTalk's influence can be determined by factors such as the number of views and likes.

Optional Feature

Implement a feature to find the most influential TedTalk per year.

GUIDELINES

Things to Keep in Mind

- Spend at most 4 hours on this project
- Focus on quality over quantity
- Provide clear instructions on how to run your project
- Feel free to make assumptions where requirements are unclear, but document them

Data

Use the provided CSV file as your dataset.

Evaluation Criteria

- Code quality and organization
- Problem-solving approach
- Implementation of required features
- Clear documentation of decisions and assumptions

Submission

Provide your solution as a Git repository with setup instructions in the README.

Final words

This assessment is intended to be vague with the goal to see what choices you make and which assumptions you make. You may go as wild as you like. If you think you have a question you need an answer to, to continue with the assessment, don't hesitate to ask the question



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