

Xpand IT Backend Challenge

The Xpand IT team is interested in your professional profile so we decided to move forward and check your technical skills as well. To do that we present you this challenge which consist on the development of a simple REST API (HTTP/JSON), that will be consumed by a Front-End application.

Technologies:

- Java
- We prefer you use the Spring framework but the standard JAX-RS can be used as well.
- Database: any database can be used, embedded (ex: H2) or standalone/container. If using a standalone/container approach please provide instructions on how to setup (docker scripts or similar). You can use mock data to populate the database.

The main goal of this exercise is to assess your approach to problem solving, as well as your ability to write clean, testable and reusable code.

The resource that should be provided by the API is:

Resource	Movie
Attributes	
Title	The title of the movie
Date	The launch date
Rank	Rating (0 to 10)
Revenue	The revenue generated by the movie

The API should provide endpoints for the CRUD operations and an additional endpoint that returns a list of Movies filtered by launch date. Endpoints should follow the REST guidelines.

You have a week (7 days) to work on your solution. By the end of the week (or before), please share your solution with us (zip file or an open repository). Please also describe the steps to run the application in a README as well as any other information you may believe worth sharing about the solution.

Good Luck!