datalex

FINAL LAB – implement with Python

MongoDB × neo4j

Python application

core

Implement a Flask or FastAPI application with the following features:

- list all movies (mongoDB)
- list a specific movie - the name of the movie or the name of the actor are given in parameter (mongoDB)
- update information about a specific movie - the name of the movie is given in parameter (mongoDB)
- return the number of movies common between mongoDB database & neo4j database (mongoDB & neo4j)
- list users who rated a movie - the name of the movie is given in parameter (neo4j)
- return a user with the number of movies he has rated and the list of rated movies - the name of the user is given in parameter (neo4j)

Python application

front

Integration with the API could be as follow:

- Front web
- OpenAPI (swagger)
- Postman collection

Documentation

In order to understand how to execute and test all requirements, documentation must be provided.

If mongoDB Atlas or neo4j sandbox has not been chosen, a dump should be provided with documentation on how to initialize a local environment (mongoDB and/or neo4j).