IMDB TASK

Description:

Create a RESTful API for movies (something similar to IMDB).
For this we would like you to use:

- MySql or SQLlite or MongoDB to store data
- Any of the following Python Framework for implementing the APIs.
  - Flask
  - Sanic (preferred)
  - FastAPI

- There need to be 2 levels of access:
  - admin = who can add, remove or edit movies.
  - users = who can just view the movies.

- There should also be a decent implementation to search for movies.
- Make sure to add test cases
- Document your code well so that we can test the API with ease.
- For your convenience we have attached some data that you can use to populate your database
- Try and deploy this on Heroku or AWS or any cloud.
- Feel free to add features!

Once deployed, suppose this application became very famous and started to receive a ton of traffic. Your application now contains metadata about 5M movies and receives 15M API hits per day both from anonymous as well as authenticated users. Suggest an architecture to scale up this system to 5x of these specs. You can also think of potential bottlenecks at all layers of the stack and how you will solve for these.

Please submit your code as well as the link to the deployed application along with a writeup to the scaling problem.

Make your design decisions wisely, you will be asked questions on the implementation at the end of the task

Do not copy it from the internet.