Task for Python Backend Developer

Following is the task for the role of **Python Backend Developer**. Any issues related to task should be enquired at hr@vesatogo.com or +91-9176171642.

Problem Statement

You have to create a **GraphQL API** which will help user to track the movies he has watched previously and will recommend new movies based on the previous movies he has watched.

To populate the data in your database you will use [The MovieDB API](#).

You can start populating the data by listing the `latest`, `popular` and `upcoming` movies in a `region`. After, loading movies in the database from the above API you can begin with the following given operations below.

> External libraries can be used as and when required.

Basic features

- Show list of all movies present in the database.
- Show detailed data of a particular movie given `id` as the argument.
- User can create new `list` with a unique `codename` to identify the list. (this will act as a watched list)
- User can push a movie to a previously created `list` with its respective `codename`. (this will show that the movie is watched by the user).
- Finally, a general `query` will be written which will list all the recommended movies based on the items in a created `list`. (`codename` of the list will be provided to generate the recommendations).

Deliverables

- Submit all of your source code in a `.zip` file and upload the same code to GitHub/GitLab.
- Proper installation instructions to be provided in the `README` file at the root of the project.

Technologies to Use

- Backend - **Django Web Framework (Python 3.x)**
- DB - **PostgreSQL/MySQL**

Brownie Points

To gain some brownie points following extra features will be assessed

- Dockerize the whole project and make it simple for deployment.
- Deploy the project to platforms like Heroku, AWS or DigitalOcean etc. and share the link.