UPSKILL BACKEND DEVELOPER INTERVIEW QUESTIONS ANSWRS:

Name: Md Kamrul Hasan Phone: 01758290421

Email: mdkamrulhasanewu@gmail.com

GitHub Link: https://github.com/07kamrul/Movie-Rating-API

I Choice python Django rest framework and MYSQL database for this task. Step by step I setup this instructions:

1. Step: 01

```
(venv) F:\Python\Projects\UPSKILL>pip install Django
Collecting Django
Using cached https://files.pythonhosted.org/packages/01/a5/fb3dad18422fcd4241d18
460a1fe17542bfdeadcf74e3861d1a2dfc9e459/Django-3.1.1-py3-none-any.whl
Collecting pytz (from Django)
Using cached https://files.pythonhosted.org/packages/4f/a4/879454d49688e2fad93e5
9d7d4efda580b783c745fd2ec2a3adf87b0808d/pytz-2020.1-py2.py3-none-any.whl
Collecting asgiref~=3.2.10 (from Django)
Using cached https://files.pythonhosted.org/packages/d5/eb/64725b25f991010307fd1
8a9e0c1f0e6dff2f03622fc4bcbcdb2244f60d6/asgiref-3.2.10-py3-none-any.whl
Collecting sqlparse>=0.2.2 (from Django)
```

2. Step: 02

```
(venv) F:\Python\Projects\UPSKILL>pip install djangorestframework
Collecting djangorestframework
  Using cached https://files.pythonhosted.org/packages/a2/cc/a8738854bda156f8145b9
185488c1dae79ce17df5b563c42ee7dd0c6245a/djangorestframework-3.11.1-py3-none-any.wh
l
Requirement already satisfied: django>=1.11 in f:\python\projects\upskill\venv\lib\site-packages (from djangorestframework) (3.1.1)
Requirement already satisfied: asgiref~=3.2.10 in f:\python\projects\upskill\venv\lib\site-packages (from django>=1.11->djangorestframework) (3.2.10)
Requirement already satisfied: sqlparse>=0.2.2 in f:\python\projects\upskill\venv\lib\site-packages (from django>=1.11->djangorestframework) (0.3.1)
Requirement already satisfied: pytz in f:\python\projects\upskill\venv\lib\site-pa
```

3. Step:03 Now set the database on settings.py file

```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'movie_rating',
        'USER': 'root',
        'PASSWORD': 'root',
        'HOST': 'localhost',
        'PORT': '3306',
    }
}
```

4. Step: 04 Install mysqlclient for MYSQL database on terminal.

pip install mysqlclient

5. <u>Step: 05</u> then migrations then migrate then runserver on the terminal.

Those command are:

py manage.py makemigrations

py manage.py migrate

py manage.py runserver

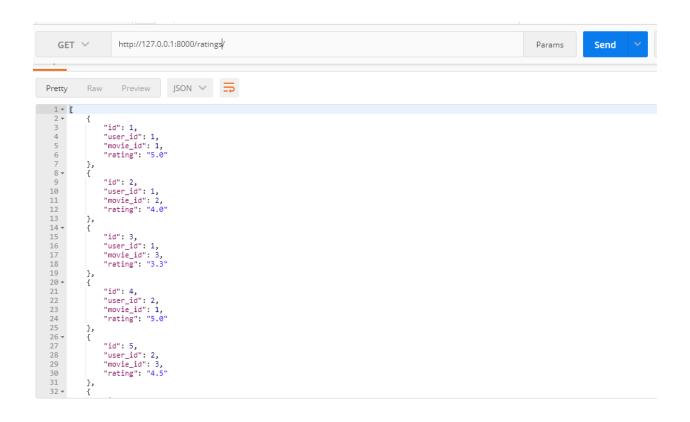
6. Step: 06

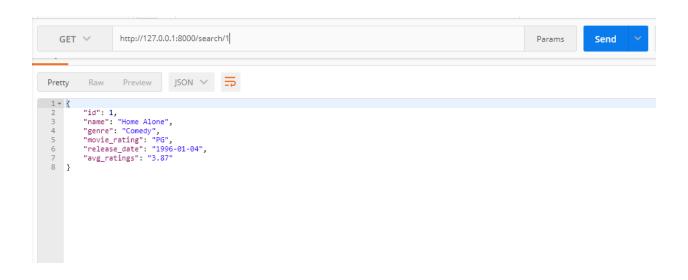
- View all users: http://127.0.0.1:8000/users/
- User can add view a list of all movies: http://127.0.0.1:8000/movies/
- User can rate a movie and View all ratings: http://127.0.0.1:8000/ratings/
- User search up a specific movie and see it's details along with the average rating of a movie: http://127.0.0.1:8000/search/1

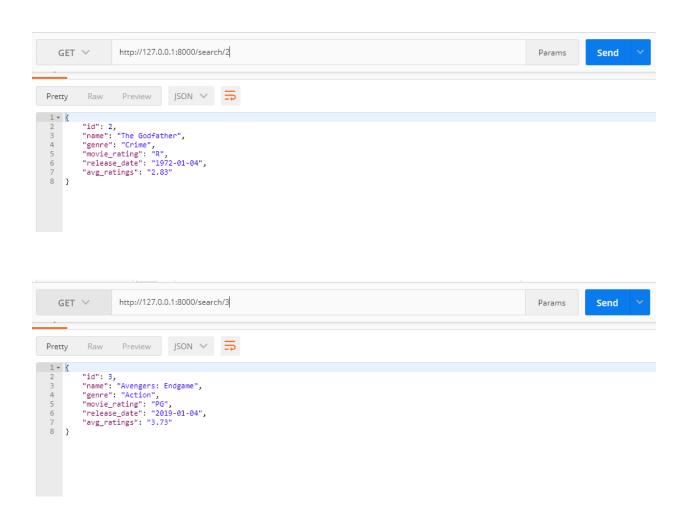
7. Step: 07

The output here:

```
http://127.0.0.1:8000/users/
          GET ∨
                                                                                                                                                                                                                                                                           Params
                                                                                                                                                                                                                                                                                                          Send
                                       Preview JSON V
    Pretty
1 → [
                                "id": 1,
"name": "John Doe",
"phone": "1111111111",
"password": "pass1",
"email": "john_doe@gmail.com"
                        },
{
     9 v
10
11
                                 "id": 2,
"name": "Jane Doe",
"phone": "2222222222",
"password": "pass2",
"email": "jane_doe@gmail.com"
    12
13
14
15
16 v
17
18
19
20
21
22
23 v
24
25
26
27
28
29
30 ]
                                 "id": 3,
"name": "Mark Doe",
"phone": "3333333333",
"password": "passs",
"email": "mark_doe@gmail.com"
                                 "id": 4,
"name": "Macy Doe",
"phone": "444444444",
"password": "pass4",
"email": "macy_doe@gmail.com"
                                                                  http://127.0.0.1:8000/movies/
                                  GET ∨
                                                                                                                                                                                                                                                                                                        Params
                                                Raw Preview JSON ✓ 👼
                           Pretty
                        1 • [
2 •
3
4
5
6
7
                                                  {
                                                          "id": 1,
"name": "Home Alone",
"genre": "Comedy",
"movie_rating": "PG",
"release_date": "1996-01-04"
                              8
9 <del>v</del>
                                                         "id": 2,
"name": "The Godfather",
"genre": "Crime",
"movie_rating": "R",
"release_date": "1972-01-04"
                             10
11
12
                             13
14
15
16 •
17
18
19
                                                        "id": 3,
"name": "Avengers: Endgame",
"genre": "Action",
"movie_rating": "PG",
"release_date": "2019-01-04"
                             20
21
22
23
```







*****The End*****