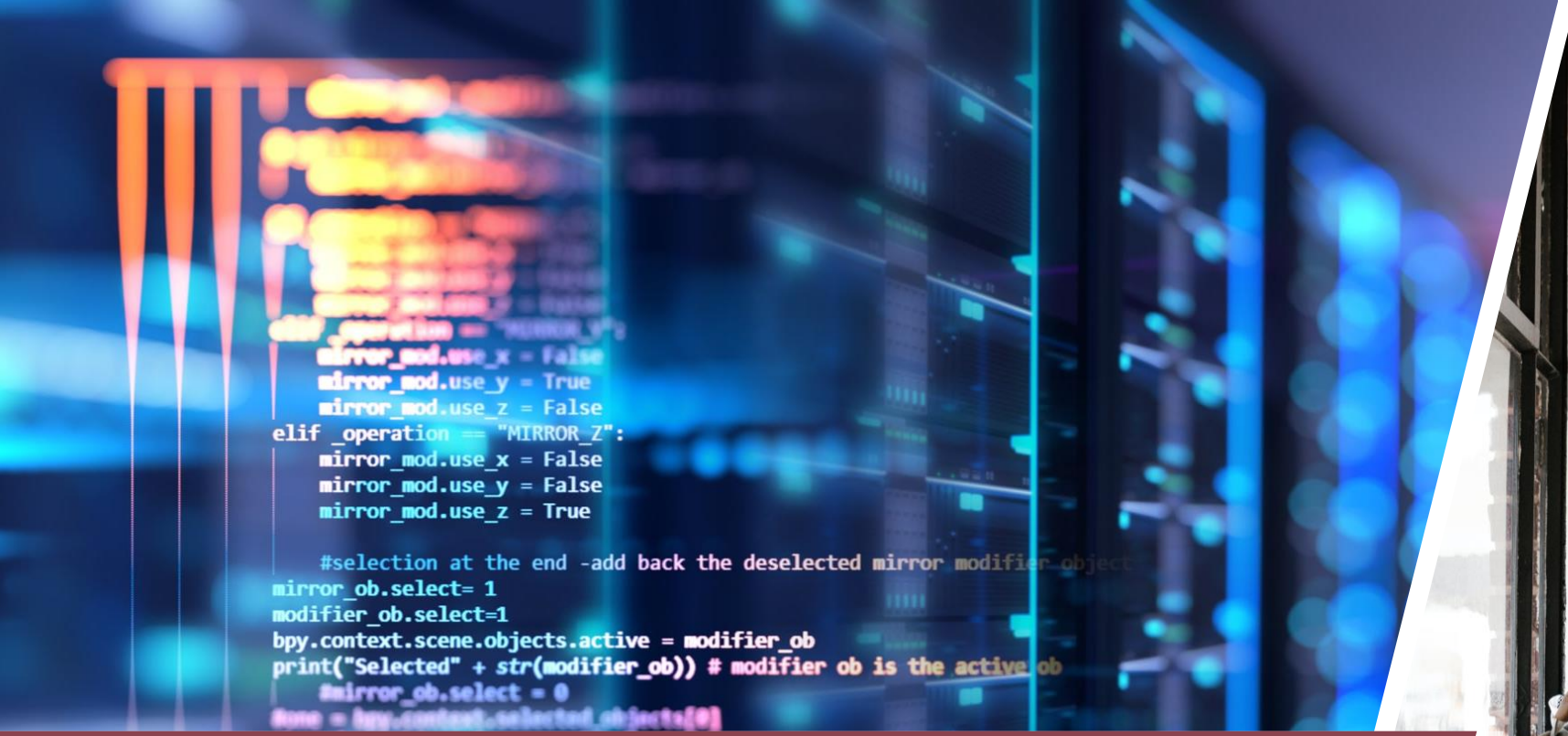
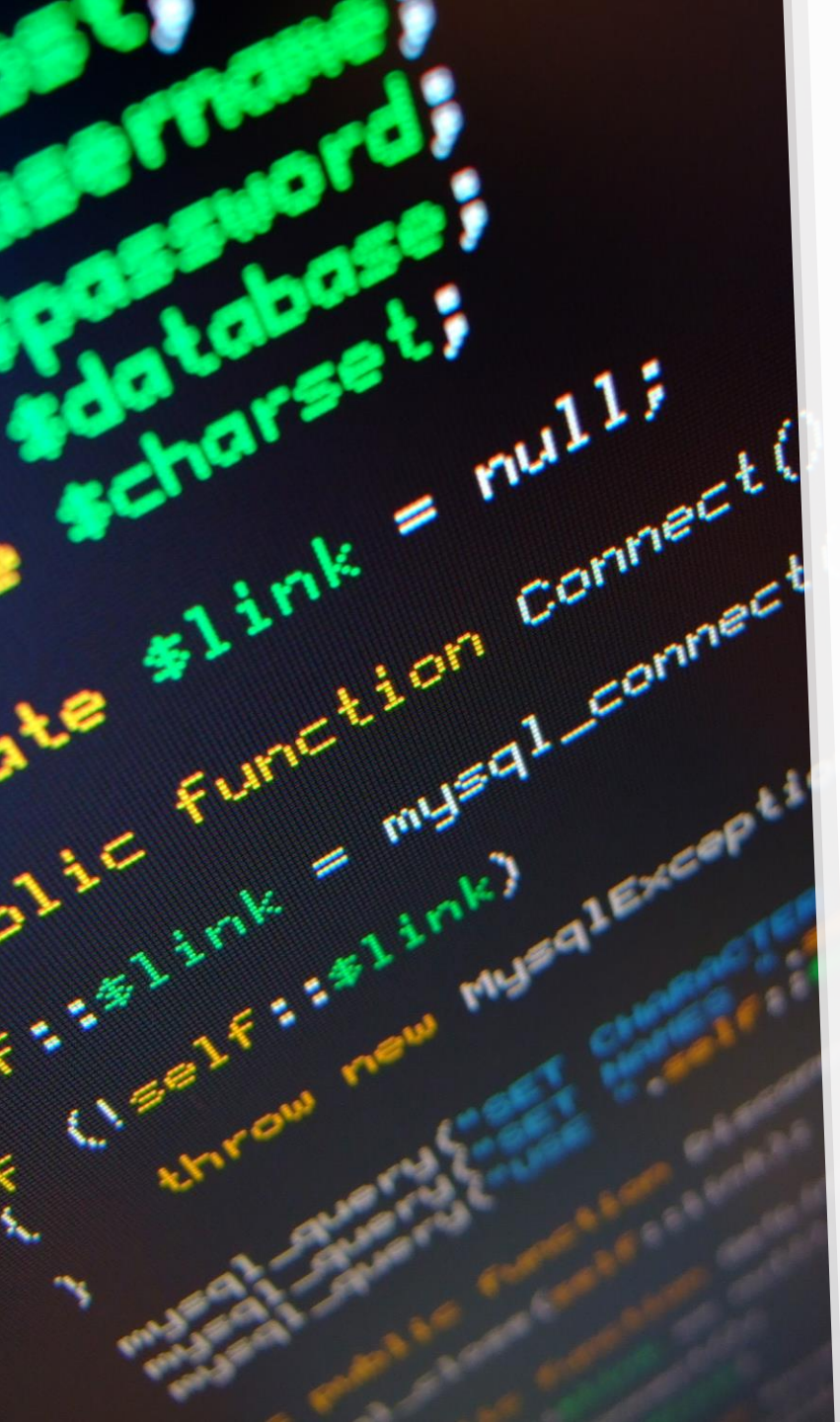


ETSIIT
Escuela Técnica Superior de Ingenierías Informática y de Telecomunicación

FILTRADO COLABORATIVO

PRÁCTICA 2
Gestión de Información en la Web

Álvaro de la Flor Bonilla



CONFIGURACIÓN

LENGUAJE

BASE DE DATOS

DATASET

MOVIELENS 100K DATASET

Desarrollo

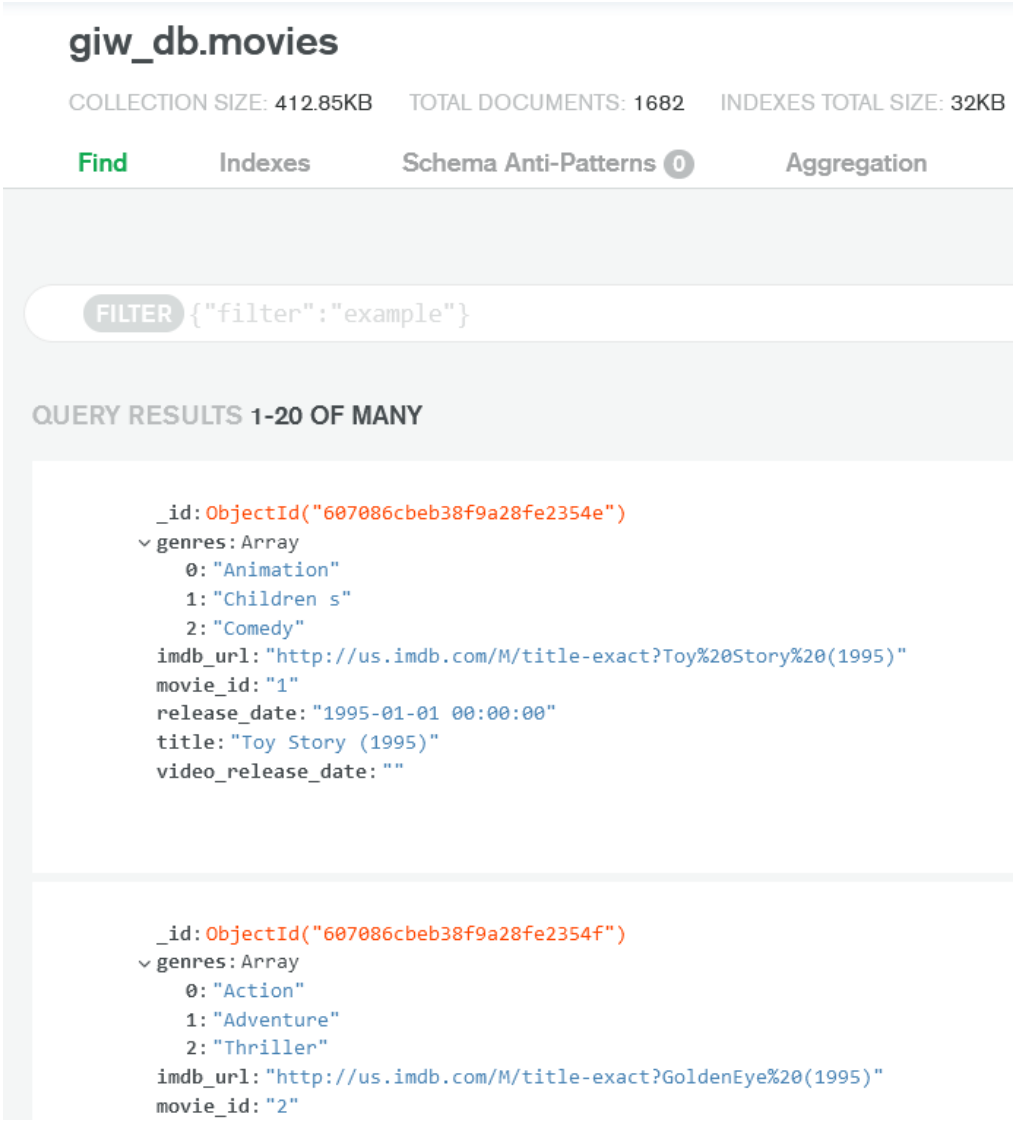
MONGODB, RECOMENDADOR

Lectura y guardado

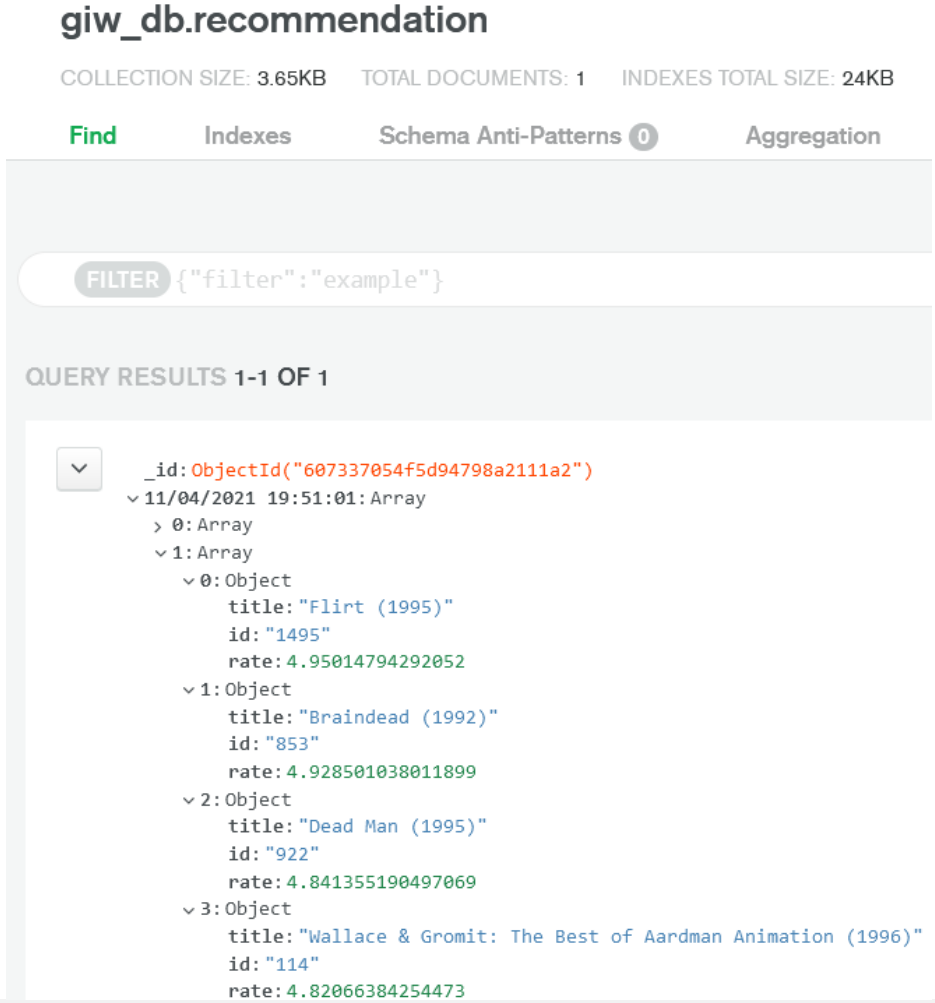
```python
def read_u_user():
    users = []
    with open(get_url_u_user()) as f:
        lines = f.readlines()
        for line in lines:
            x = line.split('|')
            user_id = x[0].strip()
            age = x[1].strip()
            gender = x[2].strip()
            occupation = x[3].strip()
            zip_code = x[4].strip()
            user = User(user_id=user_id, age=age, gender=gender, occupation=occupation, zip_code=zip_code)
            users.append(user)

    return users


def save_users(rates):
    db = get_mongo_db()
    users_mongodb = db.users
    users_mongodb.drop()
    user_dict = []
    for rate in rates:
        user_dict.append(json.loads(rate.to_json()))
    users_mongodb.insert_many(user_dict)
```



Lectura y guardado



Recomendación

```
1   from math import sqrt
2   from utilities.rate_util import *
3   from utilities.constants import *
4   import shelve
5
6
7   def load_dict(rates_add):...
40
41
42  def get_pearson(dict_user, user_1, user_2):...
84
85
86  def top_matches(dict_user, person, similarity=get_pearson):...
98
99
100 def get_recommendations(dict_user, person, similarity=get_pearson):...
137
138
139 def transform_dict_user(dict_user):...
154
```

Desarrollo

DEMO

¡GRACIAS!

¿ALGUNA DUDA?