
Djangelo

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TRACKING & RATING YOUR ORM ACTIVITY

Main Features:

- Track activity of your Django Models
- Compare the activity of each Object with the activity of all objects tracked
- Determine an ELO rating from this comparison

Cool Features:

- Easy to implement
- Ready to use

1.1 Use case:

- You have a blog.
- Your blog have posts.
- Each post have comments, likes and other user reactions.
- **You want to evaluate which posts have lower or beyond user reactions in a quantitative way**

This is your solution!

1.2 Source

Source Code

1.3 Contact

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WHAT'S NEXT?

2.1 Getting Started

2.1.1 Dependencies

- python >= 3.5
- Django >= 3

2.1.2 Installation

```
pip install djangelo
```

2.2 3 Steps integration

2.2.1 FIRST

Add djangelo into your `INSTALLED_APPS` and define which models you want to track

```
INSTALLED_APPS = [  
    'django.contrib.contenttypes',  
    'djangelo'  
]  
  
DJANGELO = {  
    'RATED_MODELS': [  
        'myapp1.mymodel1',  
        'myapp1.mymodel2',  
        'myapp2.mymodel1',  
    ]  
}
```

2.2.2 SECOND

Get elo values from your Model

```
# Adding EloDescriptor on your models, those will be tracked
from django.db import models
from djangelo.utils import EloDescriptor

class MyModel(models.Model):
    elo = EloDescriptor()
    # ... here your code

# You can also get and compare elo rated objects
instance1.elo.value
>> 3.5

instance1.elo >= instance2.elo
>> True
```

2.2.3 FINALLY

Define when your objects increments his rating.

```
# To increase the elo rating just call elo.up() method
myModelInstance.elo.up()
myModelInstance.elo.down()
```

2.3 Customization

```
# into your settings.py file

DJANGELO = {
    # Increase the sensibility for more sensitive rating.
    # This make more impact for each tracked activity
    # by default is 32
    'SENSIBILITY': 64,

    # You can define a default ELO value for the new objects created
    # by default is 1200
    'INITIAL_VALUE': 4000

    'RATED_MODELS': [...]
}
```