

Easy Testing & Development w/ django-fixtureless

by Rico Cordova

Data Model

```
from django.db import models

from owc_fixtureless import constants

class Mage(models.Model):
    name = models.CharField(max_length=40)
    magic_type = models.CharField(
        max_length=255, choices=constants.MAGIC_CHOICES)

    @property
    def brothers_in_arms(self):
        """
        Return a QuerySet object containing all other the mages who share the
        same magic_type as this mage.
        :return: QuerySet
        """
        return Mage.objects.filter(magic_type=self.magic_type).exclude(
            pk=self.pk)

class Unicorn(models.Model):
    name = models.CharField(max_length=40)
    age = models.PositiveIntegerField()
    best_friend = models.ForeignKey(Mage)

    @property
    def details(self):
        return {
            'name': self.name,
            'age': self.age
        }
```

Motivation: Fixtures

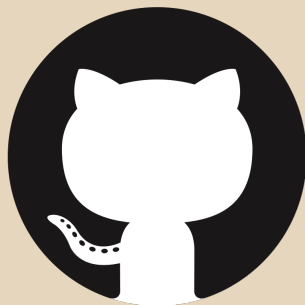
```
{
  "pk": 1,
  "model": "leads.Information",
  "fields": {
    "phone": 1,
    "first_name": "Adam",
    "last_name": "Olsen",
    "email": "jibjibberg@example.com",
    "address": 1
  }
},
{
  "pk": 1,
  "model": "leads.Lead",
  "fields": {
    "info": 1,
    "ad": 1,
    "offer": 1,
    "created_at": "2012-08-03T10:10:55.360",
    "margin": "100.00",
    "updated_at": "2012-08-03T11:30:26.283",
    "testing": false,
    "ip": "192.168.0.1",
    "data": {
      "gender": "male",
      "high_school_grad_year": "1998",
      "age": "22",
      "first_name": "Test",
      "last_name": "Example",
      "email": "test@example.com",
      "phone": "8015551234",
      "address1": "123 Fake St",
      "city": "Salt Lake City",
      "region": "UT",
      "postal_code": "84101"
    },
    "response": null,
    "sold_at": "2012-08-03T11:30:26.283"
  }
},
}
```

```
1502 {
1503   "model": "contracts.OfferInjectedField",
1504   "pk": 1,
1505   "fields": {
1506     "offer": 1,
1507     "type": "hidden",
1508     "key": "test_key",
1509     "value": "test_value"
1510   }
1511 },
1512 {
1513   "model": "contracts.OfferInjectedField",
1514   "pk": 2,
1515   "fields": {
1516     "offer": 1,
1517     "type": "created_at",
1518     "key": "test_timestamp",
1519     "value": "%Y-%m-%d %H:%M:%S"
1520   }
1521 },
1522 {
1523   "model": "contracts.OfferInjectedField",
1524   "pk": 3,
1525   "fields": {
1526     "offer": 1,
1527     "type": "test_value",
1528     "key": "test_api",
1529     "value": "test_value"
1530   }
1531 }
1532
1533
```

Enter Fixtureless

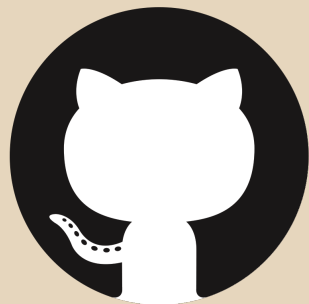


<https://pypi.python.org/pypi/django-fixtureless/1.4.2.2>



<https://github.com/ricomoss/django-fixtureless>

Practical Example



<https://github.com/ricomoss/open-west-2015-fixtureless>

Thanks For Playing Along!

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- <https://github.com/ricomoss>
- <https://github.com/ricomoss/django-fixtureless>
- <https://github.com/ricomoss/open-west-2015-fixtureless>
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