
Django-inspect-model Documentation

Release 0.8dev

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- Authors: Mathieu Agopian and [contributors](#)
- Licence: BSD
- Compatibility: Python 2.6, Python 2.7, Python 3.3, Python 3.4, Django 1.3+
- Requirements: none
- Project URL: <https://github.com/magopian/django-inspect-model/>
- Documentation: <http://django-inspect-model.readthedocs.org/en/latest/>

Django-inspect-model is a model inspection utility for Django. It allows you to easily list all available “items” on a model, and get their value.

An item is either:

- a django field (standard field or relation field)
- a standard attribute
- a method that only takes one attribute: ‘self’
- a property

The code is generic enough to be applied on just any python object, so Django isn’t a requirement. However, it was tailored towards Django models.

Install

Using pip:

```
pip install django-inspect-model
```

Usage

Instantiate `inspect_model.InspectModel` with your model class or instance, and profit.

```
>>> from django.contrib.comments.models import Comment
>>> from inspect_model import InspectModel
>>> im = InspectModel(Comment)
>>> im.fields
['comment', 'id', 'ip_address', 'is_public', 'is_removed', 'object_pk',
 'submit_date', 'user_email', 'user_name', 'user_url']
>>> im.relation_fields
['content_type', 'site', 'user']
>>> im.many_fields
['flags']
>>> im.attributes
[]
>>> im.methods
['get_as_text', 'get_content_object_url']
>>> im.properties
['email', 'name', 'pk', 'url', 'userinfo']
>>> im.items
['comment', 'content_type', 'email', 'flags', 'get_as_text',
 'get_content_object_url', 'id', 'ip_address', 'is_public', 'is_removed',
 'name', 'object_pk', 'pk', 'site', 'submit_date', 'url', 'user',
 'user_email', 'user_name', 'user_url', 'userinfo']
```

Hacking

Setup your environment:

```
git clone https://github.com/magopian/django-inspect-model.git
cd django-inspect-model
```

Hack and run the tests using [Tox](#) to test on all the supported python and Django versions:

```
make test
```

To build the docs:

```
make docs
```

Changelog

4.1 0.8 (unreleased)

4.2 0.7 (2014-09-15)

- now compatible with Django1.7
- don't require Django, so it may be used on any python code
- small optimizations (use sets instead of lists)

4.3 0.6 (2014-09-15)

- can now also inspect GenericForeignKey and ContentType fields, thanks @aschriner, Andy and @jhg

4.4 0.5 (2013-07-28)

- compatible python 3.3
- now also supports properties inspection (thanks Raffaele Colace)

4.5 Older versions

- 0.4: renamed get_FOO methods to update_FOO, self.items uses a sorted set internally
- 0.3: added self.relation_fields and self.many_fields
- 0.2: added self.items
- 0.1: initial version

Indices and tables

- `genindex`
- `modindex`
- `search`