django-nonefield Documentation

Release 0.4

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`django-nonefield` is a None field for Django.

A typical use case: allow presentational (non-input, non-field) form elements (text, image, embed video, etc). This could be very useful if your forms are dynamic (as in form-builders/generators). Django REST Framework integration is implemented as well.

CHAPTER 1

Prerequisites

- Django 1.8, 1.11, 2.0, 2.1, 2.2, 3.0.
- Python 2.7, 3.5, 3.6, 3.7, 3.8

CHAPTER 2

Installation

(1) Install latest stable version from PyPI:

```
pip install django-nonefield
```

Or latest stable version from GitHub:

```
pip install https://github.com/barseghyanartur/django-nonefield/archive/stable.
↪tar.gz
```

Or latest stable version from BitBucket:

```
pip install https://bitbucket.org/barseghyanartur/django-fobi/get/stable.tar.gz
```

(2) Add `nonefield` to `INSTALLED_APPS` of the your projects' Django settings.

```
INSTALLED_APPS = (
    # ...
    # None field
    'nonefield',
    # ...
)
```

CHAPTER 3

Usage

3.1 forms.py

In forms you could use it as follows:

```
from django import forms
from nonefield.fields import NoneField

class MyForm(forms.Form):

    name = forms.CharField(max_length=255)
    some_text = NoneField(initial='Lorem ipsum')
```

See this snippet as an example of how to allow to use paragraphs in the *django-forms-builder*.

3.2 serializers.py

You can also use it in Django REST Framework.

```
from rest_framework import serializers
from nonefield.contrib.drf_integration.fields import NoneField


class ContentTextField(NoneField):
    """Content text field."""

class BarSerializer(serializers.Serializer):

    title = serializers.CharField(max_length=256)
    text = serializers.CharField()
    context_text = ContentTextField(label='', default='Haha')
```

See how it's used in django-fobi to allow to use content/presentational elements (text, image, embed video, etc.) in the Django REST Framework schema.

CHAPTER 4

Examples

- django-forms-builder example
- django-fobi form elements example
- django-fobi DRF integration example

CHAPTER 5

License

GPL-2.0-only OR LGPL-2.1-or-later

CHAPTER 6

Support

For any issues contact me at the e-mail given in the *Author* section.

CHAPTER 7

Author

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CHAPTER 8

Project documentation

Contents:

8.1 Release history and notes

Sequence based identifiers are used for versioning (schema follows below):

```
major.minor[.revision]
```

- It's always safe to upgrade within the same minor version (for example, from 0.3 to 0.3.4).
- Minor version changes might be backwards incompatible. Read the release notes carefully before upgrading (for example, when upgrading from 0.3.4 to 0.4).
- All backwards incompatible changes are mentioned in this document.

8.1.1 0.4

2020-01-23

- Added Django REST Framework contrib.
- Tested against Django 2.2 and 3.0.
- Tested against Python 3.8.

8.1.2 0.3

2018-08-11

- Django 2.1 (and below) support.

8.1.3 0.2

2016-05-17

- Add `NoneField` for Django REST framework.

8.1.4 0.1

2015-06-07

- Initial release.

8.2 nonefield package

8.2.1 Subpackages

8.2.1.1 nonefield.tests package

8.2.1.1.1 Submodules

8.2.1.1.2 nonefield.tests.base module

8.2.1.1.3 nonefield.tests.constants module

8.2.1.1.4 nonefield.tests.test_nonefield module

8.2.1.1.5 Module contents

8.2.2 Submodules

8.2.3 nonefield.fields module

class nonefield.fields.**NoneField**(*, *required=True*, *widget=None*, *label=None*, *initial=None*, *help_text=''*, *error_messages=None*, *show_hidden_initial=False*, *validators=()*, *localize=False*, *disabled=False*, *label_suffix=None*)

Bases: `django.forms.fields.Field`

NoneField.

To be used with content elements like text or images, that need to be present, for instance, in between form input elements.

bound_data(*data*, *initial*)

Bound data.

Return the value that should be shown for this field on render of a bound form, given the submitted POST data for the field and the initial data, if any.

For most fields, this will simply be data; FileFields need to handle it a bit differently.

clean(*value*)
Validate the given value and return its "cleaned" value as an appropriate Python object. Raise ValidationError for any errors.

validate(*value*)
Validate.

Always return True (by definition).

widget
alias of `nonefield.widgets.NoneWidget`

8.2.4 nonefield.widgets module

class `nonefield.widgets.`**NoneWidget**(*attrs=None*)
Bases: `django.forms.widgets.Widget`

NoneWidget.

To be used with content elements.

media

render(*name*, *value*, *attrs=None*, ***kwargs*)
Render.

8.2.5 Module contents

CHAPTER 9

Indices and tables

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