
django-cms-helpers

unknown

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django-cms-helpers is a collection of helpers when working with django-cms.

FEATURES

- `templatetag` for getting title extension object.
- `anylink` extension for cms pages.
- boilerplate code for `ExtensionToolbar`.
- `FilerFileField` extension to validate file extension and make `default_alt_text` required.

REQUIREMENTS

django-cms-helpers supports Python 3 only and requires at least Django 3.2 and django-cms 3.9.

PREPARE FOR DEVELOPMENT

A Python 3.8+ interpreter is required in addition to poetry.

```
$ poetry install
```

Now you're ready to run the tests:

```
$ poetry run py.test
```


RESOURCES

- [Documentation](#)
- [Bug Tracker](#)
- [Code](#)

Contents:

4.1 Installation

- Install with pip:

```
pip install django-cms-helpers
```

- Your INSTALLED_APPS setting:

```
INSTALLED_APPS = (  
    # ...  
    'cms',  
  
    'cms_helpers',  
)
```

- To use CmsPageLink anylink extension install django-anylink and add to your settings:

```
INSTALLED_APPS = (  
    # ...  
    'anylink',  
)  
  
ANYLINK_EXTENSIONS = (  
    # ...  
    'cms_helpers.anylink_extensions.CmsPageLink',  
)
```

- To use FilerFileField install django-filer and add to your settings:

```
INSTALLED_APPS = (  
    # ...  
    'mptt',  
)
```

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```
'easy_thumbnails',
'filer'
)
```

4.2 Usage

4.2.1 page_titleextension templatetag

To obtain cms page title extension object in template use `page_titleextension` templatetag. The tag requires cms page id and name of extension model.

```
{% load cms_helpers %}

{% page_titleextension 1 "extensionmodel" %}
```

The `page_titleextension` templatetag is cached by default if `CMS_PLUGIN_CACHE` is `True`, which is the default. You can override globally by setting `CMS_HELPERS_PAGE_TITLEEXTENSION_CACHE = False`. You can also override locally the template tag using the `do_cache` keyword argument.

```
{% load cms_helpers %}

{% page_titleextension 1 "extensionmodel" do_cache=False %}
```

4.2.2 anylink extension for cms pages

To create links to cms pages with anylink library use `CmsPageLink` extension. The extension needs to be added in settings. Details on how to use **anylink** can be found [here](#).

```
ANYLINK_EXTENSIONS = (
    ...
    'cms_helpers.anylink_extensions.CmsPageLink',
)
```

4.2.3 cms title extension toolbar

`TitleExtensionToolbar` provides boilerplate code for your `ExtensionToolbar` model. It includes `populate` function and enables setting the position of the extension in the menu through `insert_after` parameter.

```
from cms.extensions import TitleExtension
from cms.extensions.extension_pool import extension_pool
from cms.toolbar_pool import toolbar_pool
from cms_helpers.cms_toolbars import TitleExtensionToolbar

@extension_pool.register
class YourExtensionModel(TitleExtension):
```

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```

name = models.CharField(max_length=255)

class Meta:
    verbose_name = 'yourExtension'

@toolbar_pool.register
class ExtensionToolbar(TitleExtensionToolbar):
    model = YourExtensionModel
    insert_after = 'Advanced settings'

```

4.2.4 filer field extension

FilerFileField overwrites the native `filer.fields.file.FilerFileField` and adds file extensions validation and sets `default_alt_text` to required (with `alt_text_required` it can be also set to not required).

```

from cms_helpers.filer_fields import FilerFileField
from django.db import models

class YourModel(models.Model):
    your_file = FilerFileField(
        _('Your File'),
        extensions=('png', 'jpg', 'gif'),
        alt_text_required=False
    )

```

4.3 Changelog

4.3.1 2.0.0 (2023-02-07)

- Add support for Django 4.1 and django-cms 3.11
- Drop support for Django < 3.2
- Drop support for django-cms < 3.9

4.3.2 1.0.0 (2022-04-29)

- Drop support for Django < 2.2
- Drop support for django-cms < 3.7
- Drop support for Python < 3.8
- Add support for Django 3.2, django-cms 3.10

4.3.3 0.3.0 (2020-09-29)

- Add caching for `page_titleextension` template tag

4.3.4 0.2.0 (2019-04-30)

- Add support for multiple languages to `TitleExtensionToolbar`
- Fix support for multi-domain links in django-cms 3.6

4.3.5 0.1.0 (2019-03-20)

- Add compatibility with django 2 and django-cms 3.6

4.3.6 0.0.1 (2019-02-07)

- Initial release of *django-cms-helpers*

Api documentation:

4.4 API Reference

4.4.1 cms_helpers package

Subpackages

`cms_helpers.templatetags` package

Submodules

`cms_helpers.templatetags.cms_helpers` module

`cms_helpers.templatetags.cms_helpers.is_caching_desired(do_cache)`

`cms_helpers.templatetags.cms_helpers.page_titleextension(context, page_id, extension, do_cache=None)`

Submodules

`cms_helpers.anylink_extensions` module

```
class cms_helpers.anylink_extensions.CmsPageLink(**kwargs)
```

```
    Bases: BaseLink
```

```
    name = 'page'
```

```
    verbose_name = 'CMS Page'
```

```
provided_fields = ('page', 'anchor')

configure_model(model)

get_absolute_url(link)
```

`cms_helpers.cms_toolbars` module

```
class cms_helpers.cms_toolbars.TitleExtensionToolbar(request, toolbar, is_current_app, app_path)
    Bases: ExtensionToolbar
    model = None
    insert_after = None
    get_item_position(menu)
    populate()
    property media
```

`cms_helpers.filer_fields` module

```
class cms_helpers.filer_fields.AdminFileFormField(*args, **kwargs)
    Bases: AdminFileFormField
    clean(value)
        Validate the given value and return its “cleaned” value as an appropriate Python object. Raise Validation-
        Error for any errors.

class cms_helpers.filer_fields.FilerFileField(verbose_name=None, *args, **kwargs)
    Bases: FilerFileField
    default_form_class
        alias of AdminFileFormField
    formfield(**kwargs)
        Pass limit_choices_to to the field being constructed.

        Only passes it if there is a type that supports related fields. This is a similar strategy used to pass the
        queryset to the field being constructed.
```


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