
django-inplaceedit Documentation

Release 1.2.0

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GETTING STARTED

1.1 Information

Inplace Edit Form is a Django application that allows you to inline edition of some data from the database

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1.2 Demo

Video Demo, of [django-inplaceedit](#) and [Django-inlinetrans](#) (Set full screen mode to view it correctly)

1.3 Usage

Calling `inplace_edit` tag you can inplace edit any data from the database. It is important to clarify that the inline edition is not only for text fields, although it may be the more common usage. You can also have inline edition for choices, boolean fields, date and datetime fields, foreign keys, many to many, file and image fields.

```
{% inplace_edit "OBJ.FIELD_NAME" %}
{% inplace_edit "OBJ.FIELD_NAME|FILTER1|FILTER2|...|FILTERN" %}
```

You only should change this:

```
<span>{{ user.first_name }}</span>
<span>{{ user.last_name }}</span>
```

to this:

```
<span>{% inplace_edit "user.first_name" %}</span>
<span>{% inplace_edit "user.last_name" %}</span>
```


INSTALL

2.1 Requirements

- Django (>= 1.2, even works with 1.1 with some customizations in your project)
- jQuery (>=1.6)

2.2 In your base.html

Add

```
{% load inplace_edit %}
```

and wherever you load your static files, add either

```
{% inplace_toolbar %}
```

or

```
{% inplace_static %}
```

2.3 In your settings.py

```
INSTALLED_APPS = (  
    'django.contrib.auth',  
    'django.contrib.contenttypes',  
    'django.contrib.sessions',  
    'django.contrib.sites',  
    'django.contrib.admin',  
  
    #.....#  
  
    'inplaceeditform',  
)
```

And uncomment the request context processor:

```
TEMPLATE_CONTEXT_PROCESSORS = (  
    #...#  
    'django.core.context_processors.request',  
)
```

```
#...#
)
```

Optional:

```
INPLACEEDIT_EDIT_EMPTY_VALUE = 'Double click to edit'
INPLACEEDIT_AUTO_SAVE = True
INPLACEEDIT_EVENT = "dblclick"
INPLACEEDIT_DISABLE_CLICK = True # For inplace edit text into a link tag
INPLACEEDIT_EDIT_MESSAGE_TRANSLATION = 'Write a translation' # transmeta option
INPLACEEDIT_SUCCESS_TEXT = 'Successfully saved'
INPLACEEDIT_UNSAVED_TEXT = 'You have unsaved changes'
INPLACE_ENABLE_CLASS = 'enable'
DEFAULT_INPLACE_EDIT_OPTIONS = {} # dictionary of the optionals parameters that the templatetag can
DEFAULT_INPLACE_EDIT_OPTIONS_ONE_BY_ONE = True # modify the behavior of the DEFAULT_INPLACE_EDIT_OPT
ADAPTOR_INPLACEEDIT_EDIT = 'app_name.perms.MyAdaptorEditInline' # Explain in Permission Adaptor API
ADAPTOR_INPLACEEDIT = {'myadaptor': 'app_name.fields.MyAdaptor'} # Explain in Adaptor API
INPLACE_GET_FIELD_URL = None # to change the url where django-inplaceedit use to get a field
INPLACE_SAVE_URL = None # to change the url where django-inplaceedit use to save a field
```

2.4 In your urls.py

```
urlpatterns = patterns('',
    #...#
    (r'^inplaceeditform/', include('inplaceeditform.urls')),
    #...#
)
```

If you use the date adaptor or datetime adaptor also:

```
js_info_dict = {
    'packages': ('django.conf',),
}

urlpatterns = patterns('',
    #...#
    (r'^inplaceeditform/', include('inplaceeditform.urls')),
    (r'^jsi18n$', 'django.views.i18n.javascript_catalog', js_info_dict),
)
```

USAGE

Calling `inplace_edit` tag you can inplace edit any data from the database. It is important to clarify that the inline edition is not only for text fields, although it may be the more common usage. You can also have inline edition for choices, boolean fields, date and datetime fields, foreign keys, many to many, file and image fields.

```
{% inplace_edit "OBJ.FIELD_NAME" %}
{% inplace_edit "OBJ.FIELD_NAME|FILTER1|FILTER2|...|FILTERN" %}
```

3.1 Simple example

```
{% load inplace_edit %}
<html>
  <head>
    ...
    <script src="{{ STATIC_URL }}js/jquery.min.js" type="text/javascript"></script>
    {% inplace_toolbar %} {% comment %} or inplace_static {% endcomment %}
  </head>
  <body>
    ...
    <div id="content">
      ...
      {% inplace_edit "content.name" %}
      ...
      <div class="description">
        {% inplace_edit "content.date_initial|date:'d m Y'" %}
        {% inplace_edit "content.description|safe" %}
      </div>
      <div class="body">
        {% inplace_edit "content.body|safe|truncatewords_html:15" %}
      </div>
    </div>
    ...
  </body>
</html>
```

3.2 Example with the js in the footer

```
{% load inplace_edit %}
<html>
```

```
<head>
...
{% inplace_css 1 %} {% comment %} or inplace_css 0 {% endcomment %}
</head>
<body>
...
<div id="content">
...
{% inplace_edit "content.name" %}
...
<div class="description">
    {% inplace_edit "content.date_initial|date:'d m Y'" %}
    {% inplace_edit "content.description|safe" %}
</div>
<div class="body">
    {% inplace_edit "content.body|safe|truncatewords_html:15" %}
</div>
</div>
...
<script src="{{ STATIC_URL }}js/jquery.min.js" type="text/javascript"></script>
{% inplace_js 1 1 %} {% comment %} or inplace_js 1 0 {% endcomment %}
</body>
</html>
```

3.2.1 How to use it

- If you use `inplace_static`: Just pass the cursor above the field and double click (this is *customizable*), authenticated with a super user (this is also *customizable*)
- If you use `inplace_toolbar`: Enable a edit inline and just pass the cursor above the field and double click (this is *customizable*), authenticated with a super user (this is also *customizable*)

ADVANCED USAGE

Inplaceedit has some optional parameters that the templatetag can receive to change its behavior:

- `auto_height`: Adapt the height's widget to the tag container.
- `auto_width`: Adapt the width's widget to the tag container.
- `min_width`: The minimum of the width's widget
- `class_inplace`: Add a class to edit inline form.
- `tag_name_cover`: The value is covered for a span. But it's possible to change it.
- `filters_to_show`: The server filters the value before to save. List separate for "I"
- `loads`: If you use some filter that need a load, you set this option. List separate for ":"
- `edit_empty_value`: The text to display when the field is empty

4.1 Examples

```
{% inplace_edit "content.description|safe" auto_height=1, auto_width=1 %}
{% inplace_edit "content.title" class_inplace="titleFormEditInline" %}
{% inplace_edit "content.description|safe|truncatewords_html:30" tag_name_cover="div" %}
{% inplace_edit "content.description|my_filter" loads="my_template_tag" %}
{% inplace_edit "content.index" edit_empty_value="This is a editable content, now the value is none." %}
{% inplace_edit "content.amount" min_width="100" %}
```

Now ($\geq 1.2.0$ release) you can overwrite the generic options in the templatetag. Before this only were customizable in the settings, that is to say this options were the same to every inplace edit item:

- `getFieldUrl`: `"/inplaceeditform/get_field/"`,
- `saveURL`: `"/inplaceeditform/save/"`,
- `successText`, `INPLACEEDIT_SUCCESS_TEXT` in the settings
- `eventInplaceEdit`, `INPLACEEDIT_EVENT` in the settings
- `disableClick`, `INPLACEEDIT_DISABLE_CLICK` in the settings
- `autoSave`, `INPLACEEDIT_AUTO_SAVE` in the settings
- `enableClass`, `INPLACE_ENABLE_CLASS` in the settings
- `fieldTypes`, `INPLACE_FIELD_TYPES` in the settings
- `focusWhenEditing`, `INPLACE_FOCUS_WHEN_EDITING` in the settings

Only `unsavedChanges` (`INPLACEEDIT_UNSAVED_TEXT` in the settings) is a generic option.

4.2 Examples

```
{% inplace_edit "content.description|safe" getFieldUrl="/myapp/get_field/" %}  
{% inplace_edit "content.title" autoSave="1", eventInplaceEdit="click" %}
```

CUSTOMIZING DJANGO-INPLACEEDIT

django-inplaceedit is generic, customizable and extensible.

5.1 Permission Adaptor API

By default you can inline edit a field if you are authenticated with a superuser. But it's customizable:

5.1.1 Overwriting the default permission adaptor

This package have two implementations:

- `SuperUserPermEditInline` (by default): Only you can edit if you are super user
- `AdminDjangoPermEditInline`: Yo can edit the content if you have a permission edit for that model.
If you want enabled this, write in your settings:

```
ADAPTOR_INPLACEEDIT_EDIT = 'inplace_edit.perms.AdminDjangoPermEditInline'
```

You can create a specify adaptor. `MyAdaptorEditInline` is a class with a single class method, this method receives a adaptor field

```
# in your settings
```

```
ADAPTOR_INPLACEEDIT_EDIT = 'app_name.perms.MyAdaptorEditInline'
```

```
# in app_name.perms
```

```
class MyAdaptorEditInline(object):  
  
    @classmethod  
    def can_edit(cls, adaptor_field):  
        return True # All user can edit
```

5.1.2 Example

```
class MyAdaptorEditInline(object):  
  
    @classmethod  
    def can_edit(cls, adaptor_field):
```

```
user = adaptor_field.request.user
obj = adaptor_field.obj
can_edit = False
if user.is_anonymous():
    pass
elif user.is_superuser:
    can_edit = True
else:
    can_edit = has_permission(obj, user, 'edit')
return can_edit
```

5.2 Creating an adaptor

You can create an adaptor to work with django-inplaceedit, the behavior is fully customizable. To default inplaceedit has 17 [adaptors](#) (AdaptorTextField, AdaptorTextAreaField, AdaptorChoicesField, AdaptorBooleanField, AdaptorDateTimeField, AdaptorForeignKeyField, AdaptorManyToManyField, AdaptorImageField etc). These use the api, overwriting some methods for them.

You can see four examples in [django-inplaceedit-extra-fields](#) project

5.2.1 First step

In your settings:

```
ADAPTOR_INPLACEEDIT = {'myadaptor': 'app_name.fields.MyAdaptor'}
```

In `app_name.fields.MyAdaptor`:

```
class MyAdaptor(BaseAdaptorField):

    @property
    def name(self):
        return 'myadaptor'
```

You can overwrite a default adaptor. To overwrite a adaptor add in your settings something like this:

```
ADAPTOR_INPLACEEDIT = {'text': 'app_name.fields.MyAdaptorText'}
```

For this case you overwrite the AdaptorText with MyAdaptorText.

5.2.2 Python API

- `loads_to_post`: It returns the value of the request (normally request.POST)
- `classes`: Classes of tag cover. By default “inplaceedit” and “myadaptorinplaceedit”
- `get_config`: Preprocessed of the configuration. By default, it does nothing.
- `get_form_class`: It returns the form class.
- `get_form`: It returns a instance of form class.
- `get_field`: It returns a field of instance of form class.
- `render_value`: It returns the render of the value. If you write `{% inplace_edit "obj.namefilter1" %}` it returns something like this `{{ obj.namefilter1 }}`.

- `render_value_edit`: It returns the render value if you can edit. It returns by default the same of “`render_value`”, but if the value is `None` call to `empty_value`
- `empty_value`: It returns an empty value for this adaptor. By default, ‘Dobleclick to edit’.
- `render_field`: It returns the render of form, with a field.
- `render_media_field`: It returns the media (scripts and css) of the field.
- `render_config`: It returns the render of config.
- `can_edit`: It returns a boolean that indicate if this user can edit inline this content or not.
- `get_value_editor`: It returns a clean value to be saved in DB.
- `save`: Save the value in DB.
- `get_auto_height`: Returned if the field rendered with auto height
- `get_auto_width`: Returned if the field rendered with auto width
- `treatment_height`: Special treatment to widget’s height.
- `treatment_width`: Special treatment to widget’s width.

If you want to use own options in your adaptor, you can do it. These options will be in `self.config` :

```
{% inplace_edit "obj.field_name" my_opt1="value1", my_opt2="value2" %}
```

5.2.3 JavaScript API

You can change the javascript behaviour by adding or overriding methods from the original implementation by adding the special file `jquery.inplaceeditform.hooks.js` to your project. `$.inplaceeditform.extend` takes an object with the new or replacement methods.

```
$.inplaceeditform.extend(
{
    inplaceApplySuccessShowMessage: function(inplace_span) {
        var self = $.inplaceeditform;
        if (self.opts.successText) {
            var modal = $('#inplaceedit-modal');
            var body = modal.find('div.modal-body p');
            body.html(self.opts.successText);

            setTimeout(function () {
                modal.fadeOut(function () {
                    $(this).remove();
                });
            }, 2000);
        }
        modal.show();
    }
});
```

Additionally there are four hooks,

- `getValue`: if the value is componing for various widgets, you can set the function `getValue`, to these DOM elements. Something like this:

```
<script type="text/javascript">
  (function($){
    $(document).ready(function () {
      function myGetValue(form, field_id) {
        return "Something";
      }
      $(".applyMyAdaptor").data("getValue", myGetValue);
    });
  })(jQuery);
</script>
```

- **applyFinish**: if you need/want to do some action after the value be saved. Something like this:

```
<script type="text/javascript">
  (function($){
    $(document).ready(function () {
      function myApplyFinish(applyButton) {
        return "Something";
      }
      $(".applyMyAdaptor").data("applyFinish", myApplyFinish);
    });
  })(jQuery);
</script>
```

- **cancelFinish**: if you need/want to do some action after the cancel the edit. Something like this:

```
<script type="text/javascript">
  (function($){
    $(document).ready(function () {
      function myCancelFinish(cancelButton) {
        return "Something";
      }
      $(".cancelMyAdaptor").data("cancelFinish", myCancelFinish);
    });
  })(jQuery);
</script>
```

- **extraConfig**: if you need/want add something to the config in the ajax request to print the field

```
<script type="text/javascript">
  (function($){
    $(document).ready(function () {
      function myExtraConfig(data) {
        return data + "Something";
      }
      $(".configMyAdaptor").data("extraConfig", myExtraConfig);
    });
  })(jQuery);
</script>
```

For example the adaptor datetime use these hooks.

TESTING

This django application has been tested on several browsers: Firefox, Google Chrome, Opera, Safari and Internet Explorer on versions 7, 8, 9 and 10 to check javascript actions. **Attention**, [jQuery 2](#) does not support IE 6/7/8. If you want to test in these browsers, please use jQuery 1 (recomended the last release 1.10.2)

Exists a [testing django project](#). This project can use as demo project, because django-inplaceedit is totally adapted to it.

Also you can use the demo project of [django-inplaceedit-bootstrap](#)

The backend has [unit test](#), to check it.:

```
cd testing
python run_tests.py
```

You can see this django-inplaceedit works (without changes) from django 1.2, and even in previous versions of Django (1.1 and 1.0) works with some customizations.

OTHER PACKAGES RELATED

7.1 `django-transmeta`

This egg is compatible with `django-transmeta`, But it is not a requirement, `django-transmeta` is an application for translatable content in Django's models

7.2 `django-inplaceedit-extra-fields`

`django-inplaceedit-extra-fields`, with this egg you can extends the default adaptors of `django-inplaceedit`

7.3 `django-inplaceedit-bootstrap`

`django-inplaceedit-bootstrap`, integration of `django-inplaceedit` with Bootstrap 3.

DEVELOPMENT

You can get the last bleeding edge version of inplaceedit by doing a clone of its git repository:

```
git clone git://github.com/Yaco-Sistemas/django-inplaceedit.git
```