django-relatives Documentation

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django-relatives provides various utilites that make it easy to link related objects in the Django admin site.

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CHAPTER 1

Usage

Installation

Install from PyPI:

```
$ pip install django-relatives
```

Edit links in inlines

To link to an inline object, include the *object_link* utility function in your admin inline's `fields` list and `readonly_fields` list.

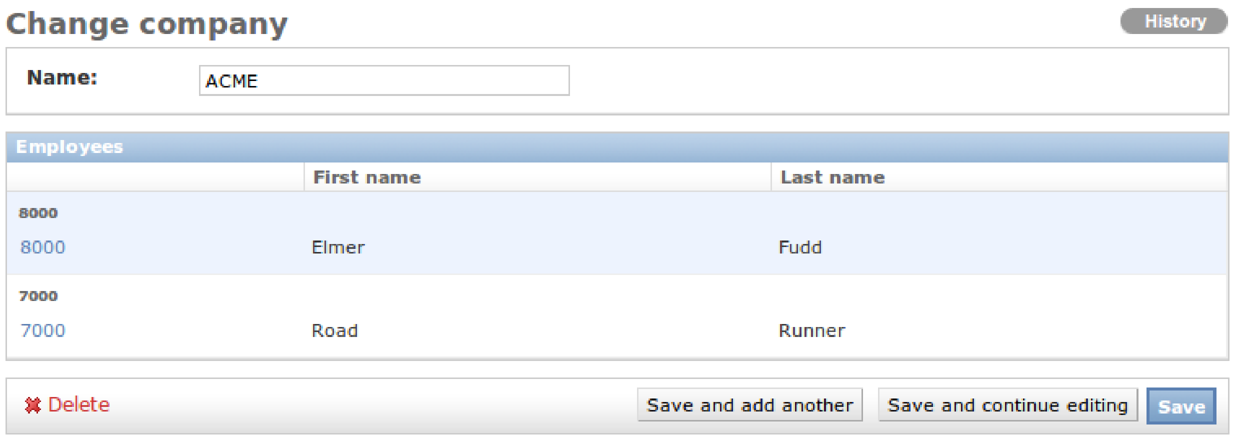
Example

Code

```
from django.contrib import admin
from relatives.utils import object_link

from models import Company, Employee


class EmployeeInline(admin.TabularInline):
    model = Employee
    fields = [object_link, 'first_name', 'last_name']
    readonly_fields = fields
    extra = 0
    max_num = 0
    can_delete = False
```

```
class CompanyAdmin(admin.ModelAdmin):
    inlines = [EmployeeInline]

admin.site.register(Company, CompanyAdmin)


admin.site.register(Employee)
```

Screenshot



Change company

Name: ACME

Employees

	First name	Last name
8000 8000	Elmer	Fudd
7000 7000	Road	Runner

Customizing inline edit links

To customize the link text for your inline links, use the *object_edit_link* utility function instead, specifying the edit text and blank text (both are optional).

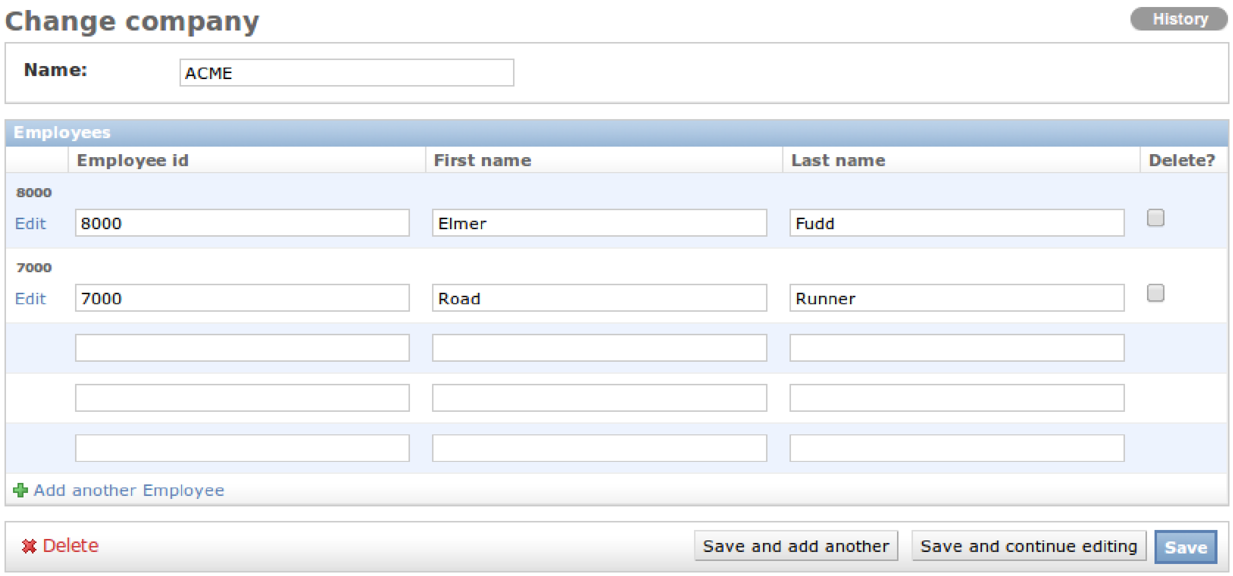
Example

Code

```
from django.contrib import admin
from relatives.utils import object_edit_link

from models import Company, Employee


class EmployeeInline(admin.TabularInline):
    model = Employee
    edit_link = object_edit_link("Edit")
    fields = [edit_link, 'employee_id', 'first_name', 'last_name']
    readonly_fields = [edit_link]


class CompanyAdmin(admin.ModelAdmin):
    inlines = [EmployeeInline]
```

```
admin.site.register(Company, CompanyAdmin)


admin.site.register(Employee)
```

Screenshot



Change company

Name: ACME

Employees

	Employee id	First name	Last name	Delete?
8000 Edit	8000	Elmer	Fudd	□
7000 Edit	7000	Road	Runner	□

Linking to foreign keys

The `contents_or_fk_link` template filter can be used to link to foreign keys for readonly admin form fields.

Django Relatives also provides a replacement for the `admin/includes/fieldset.html` template which can be used to automatically link to all readonly foreign key fields in change forms.

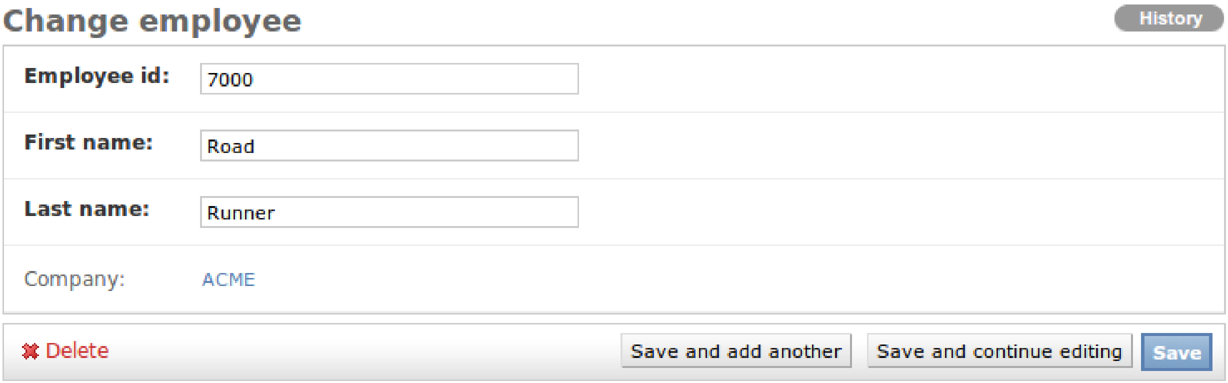
To use the custom fieldset template you must add `relatives` to `INSTALLED_APPS` in your settings file:

```
INSTALLED_APPS = (
    ...
    'relatives',
)
```

Next create a `admin/includes/fieldset.html` template file:

```
{% extends "relatives/includes/fieldset.html" %}
```

Also make sure this template file is in a custom template directory or an app listed before your admin app in `INSTALLED_APPS`.



Change employee

Employee id: 7000

First name: Road

Last name: Runner

Company: ACME

Example Screenshot

Linking to reverse relations

The `related_objects` template tag makes it easy to link to change lists filtered for reverse relations (objects that have a foreign key to a given object).

Django Relatives also provides a custom `change_form.html` template that may be used to add a "Relations" sidebar to change forms. This sidebar provides links to change list queries for all objects that contain a foreign key to the current object.

To use the custom fieldset template you must add `relatives` to `INSTALLED_APPS` in your settings file:

```
INSTALLED_APPS = (
    ...
    'relatives',
)
```

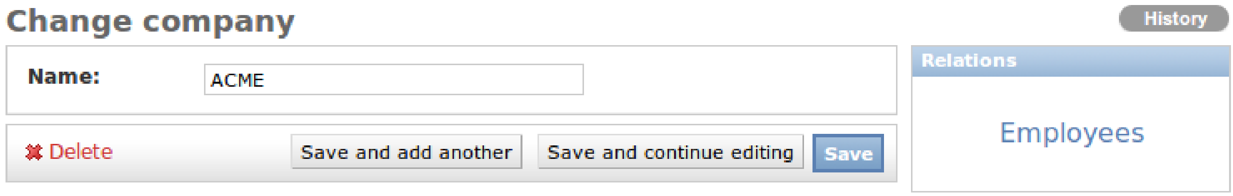
Now you can customize the change form template for your desired models/apps. The easiest way to link to reverse relations is to override the `change_form_template` in your `ModelAdmin` subclass.

Example

Code

```
from django.contrib import admin

from models import Company, Employee


class CompanyAdmin(admin.ModelAdmin):
    change_form_template = 'relatives/change_form.html'

admin.site.register(Company, CompanyAdmin)


admin.site.register(Employee)
```

Screenshot



Change company

Name: ACME

Linking to reverse relations with custom template

If you don't have access to change the `ModelAdmin` for your model or you are already customizing your model's admin change form, you will need to use a custom admin template instead.

Create a `admin/YOURAPP/YOURMODEL/change_form.html` template file that extends from `relatives/change_form.html`:

```
{% extends "relatives/change_form.html" %}
```

Also make sure this template file is in a custom template directory or an app listed before your admin app in `INSTALLED_APPS`.

CHAPTER 2

API Reference

Utility Functions

`relatives.utils.`**`get_admin_url`**(*obj*)

Return admin URL for given object (raise NoReverseMatch on error)

`relatives.utils.`**`object_edit_link`**(*edit_text=None*, *blank_text=None*)

Return function that takes an object and returns admin link to object

Arguments:

- `edit_text` is displayed in link text
- `blank_text` is displayed in unlinked text (when no admin link)

`edit_text` defaults to the object's unicode representation and `blank_text` defaults to the object's unicode representation if `edit_text` is None and an empty string otherwise

`relatives.utils.`**`object_link`**(*obj*)

Return admin link to given object or blank text if no link

Equivalent to object_edit_link()(obj)

Template Tags

Visit the project on Github to view the source, submit issues and pull requests.

CHAPTER 3

Indices and tables

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