

 免费电子书

学习

django-admin

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#django-
admin

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1: django-admin

Django Admin Django WebCRUD

Django Admin Django Admin

- Django Admin
- Django
- Django
- Django

1.10	210681
1.9	2015121
1.8	2015-04-01
1.7	201492
1.6	2013116
1.5	2013226
1.4	2012-03-23
1.3	2011-03-23
1.2	2010-05-17
1.1	2009-07-29
1.0	2008-09-03

Examples

Django Admin

Django Django

```
# settings.py

# `django.contrib.admin` and its dependencies.
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
```

```

    'django.contrib.messages',
    ...,
]

MIDDLEWARE = [
    ...
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    ...
]

TEMPLATES = [
    {
        ...,
        'OPTIONS': {
            'context_processors': [
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
                ...
            ],
        },
    },
]

```

urls.py Django > = 1.9.

1.9

```

from django.conf.urls import url
from django.contrib import admin

urlpatterns = [
    url(r'^admin/', admin.site.urls),
]

```

1.9

```

from django.conf.urls import url, include
from django.contrib import admin

urlpatterns = [
    url(r'^admin/', include(admin.site.urls)),
]

```

include Django 1.9.

```
$ python manage.py migrate
```

```
$ python manage.py createsuperuser
```

```
$ python manage.py runserver
```

<http://127.0.0.1:8000/admin/>

◦

admin◦ manage.py startappadmin.py◦ ◦

```
#myapp/admin.py
from django.contrib import admin
from myproject.myapp.models import MyModel

admin.site.register(MyModel)
```

ModelAdmin◦

```
class MyCustomAdmin(admin.ModelAdmin):
    list_display = ('name', 'age', 'email') # fields to display in the listing
    empty_value_display = '-empty-' # display value when empty
    list_filter = ('name', 'company') # enable results filtering
    list_per_page = 25 # number of items per page
    ordering = ['-pub_date', 'name'] # Default results ordering

# and register it
admin.site.register(MyModel, MyCustomAdmin)
```

admin.register

```
@admin.register(MyModel)
class MyCustomAdmin(admin.ModelAdmin)
    ...
```

Django Admin◦ ◦

admin◦ manage.py startappadmin.py◦ ◦

```
#myapp/admin.py
from django.contrib import admin
from django.contrib.auth.models import User

admin.site.unregister(User)
```

django

```
from django.contrib.auth.models import User
class UserAdmin(admin.ModelAdmin):
    list_display = ('email', 'first_name', 'last_name')
    list_filter = ('is_staff', 'is_superuser')

admin.site.unregister(User)
admin.site.register(User, UserAdmin)
```

UserAdmin django admin.py ModelAdmin

[django-admin](https://riptutorial.com/zh-CN/django-admin/topic/3499/django-admin) <https://riptutorial.com/zh-CN/django-admin/topic/3499/django-admin>

2:

get_priceself ◦ get_price ◦ ◦ get_price ◦

Examples

Laravel PHP ◦ DjangoHTML CRUD Django admin “Admin” ◦ “Yeap”

Django Django ◦ ◦

“ ”

◦ python manage.py shell

```
# python manage.py shell (interactive console)

from math import ceil

from my_app.models import Product

DISCOUNT = 10 # percentage

for product in Product.objects.filter(is_active=True):
    """ Set discount to ALL products that are flagged as active """
    multiplier = DISCOUNT / 100. # DISCOUNT / 100 in python 3 (without dot)
    old_price = product.price
    new_price = ceil(old_price - (old_price * multiplier)) # seller wins :)
    product.price = new_price
    product.save(update_fields=['price'])
```

◦ Django ◦ DjangoFTW ◦ ◦

- Python 3.4.3
- Django 1.10
- SQLitePython

•
•

- Django Admin ◦

appmodel Django admin

manage.pystock

```
python manage.py createapp stock
```

Django ◦ models.py

```
# models.py

from django.db import models

class Product(models.Model):
    name = models.CharField('Product name', max_length=100) # required field
    price = models.PositiveIntegerField('Product price')

    def __str__(self): # __unicode__ in Python 2
        return self.name
```

Product ◦ [INSTALLED_APPS](#) ◦

settings.py `INSTALLED_APPS`

```
# settings.py

INSTALLED_APPS = [
    # ... previous Django apps
    'stock.apps.StockConfig',
]
```

```
python manage.py makemigrations
python manage.py migrate
```

migrate product id name price ◦

[ROOT_URLCONF](#) <your_project_name>/<your_project_name>/ DjangoURL

```
# urls.py

urlpatterns = [
    # ... other URLs
    url(r'^admin/', admin.site.urls),
]
```

Django ◦ stock/admin.py

```
# admin.py

from django.contrib import admin

from .models import Product

@admin.register(Product)
class ProductAdmin(admin.ModelAdmin):
    pass
```

◦ ◦


```
python manage.py runserver
```

127.0.0.1:8000/admin/ ◦ Django **C**reate- **R**ead- **U**pdate- **D**elete Product/ ◦ User ◦

```
python manage.py createsuperuser
```

◦

◦ Django ◦

100 ◦ **ADD**nameprice ◦

```
python manage.py shell
```

```
# python manage.py shell

from stock.models import Product

for i in range(1, 101):
    p = Product.objects.create(name='Product %s' % i, price=i)
```

for 100 Product 1 Product 2 ... Product 100 1 2 ... 100 ◦

Django 127.0.0.1:8000/admin/Products

Django administration

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups

[+ Add](#) [✎ Change](#)

Users

[+ Add](#) [✎ Change](#)

STOCK

Products

[+ Add](#) [✎ Change](#)

100

Django administration

Home > Stock > Products

Select product to change

Action:

<input type="checkbox"/>	PRODUCT
<input type="checkbox"/>	Product 100
<input type="checkbox"/>	Product 99
<input type="checkbox"/>	Product 98
<input type="checkbox"/>	Product 97
<input type="checkbox"/>	Product 96
<input type="checkbox"/>	Product 95
<input type="checkbox"/>	Product 94
<input type="checkbox"/>	Product 93
<input type="checkbox"/>	Product 92
<input type="checkbox"/>	Product 91
<input type="checkbox"/>	Product 90

Django change list `stock/admin.py`

```
@admin.register(Product)
class ProductAdmin(admin.ModelAdmin):
    list_display = ('name', 'price')
```

◦

◦ 30

change listAction Django delete

Django `stock/admin.py`

```

# admin.py

@admin.register(Product)
class ProductAdmin(admin.ModelAdmin):
    list_display = ('name', 'price')
    actions = ['discount_30']

    def discount_30(self, request, queryset):
        from math import ceil
        discount = 30 # percentage

        for product in queryset:
            """ Set a discount of 30% to selected products """
            multiplier = discount / 100. # discount / 100 in python 3
            old_price = product.price
            new_price = ceil(old_price - (old_price * multiplier))
            product.price = new_price
            product.save(update_fields=['price'])
        discount_30.short_description = 'Set 30%% discount'

```

- ProductAdmin actions ◦
- **action-function** ProductAdmin ◦ ModelAdmin self HTTP request queryset ◦
- short_description actions double ◦

30◦ `update_fieldssave()` update_fields UPDATE UPDATE2◦

change list delete change list◦ Set 30% discount Go◦

Django administration

Home › Stock › Products

Select product to change

Action: 0 of 100 selected

<input type="checkbox"/>	PR	Delete selected products
<input type="checkbox"/>	Product 100	Set 30% discount
<input type="checkbox"/>	Product 99	
<input type="checkbox"/>	Product 98	
<input type="checkbox"/>	Product 97	
<input type="checkbox"/>	Product 96	
<input type="checkbox"/>	Product 95	

◦ `admin.py` ◦

<https://riptutorial.com/zh-CN/django-admin/topic/7747/>

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