

DJANGO 1.3 CHEATSHEET

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Common model field options		Model fields		Find more details in Django's official docs: <a href="http://django.me/<any object here>">http://django.me/<any object here>		ModelAdmin options & callbacks	
null	= False	AutoField					
blank	= False	BigIntegerField					
choices	= [(1, "Choice 1"), ...]	BooleanField, NullBooleanField					
db_column	= "column_name"	CharField		max_length = 100			
db_index	= False	CommaSeparatedIntegerField		max_length = 50			
db_tablespace	= "tablespace_name"	DateField					
default	= value_or_callable	DateTimeField					
error_messages	= {"name": "Message", ...}, = "long help text"	DecimalField		max_digits = 10 decimal_places = 2			
help_text	= False	EmailField		max_length = 75			
primary_key	= False	FileField		upload_to = "files/%Y/%m/%d" storage = file_storage_obj max_length = 100			
unique	= False	FilePathField		path = "/var/images" match = r"\.pdf\\$" recursive = True max_length = 100			
unique_for_date	= "date_field"	FloatField					
unique_for_month	= "month_field"	FileField		upload_to = "uploads" storage = file_storage_obj max_length = 100			
verbose_name	= "Field Name"	ImageField		upload_to = "uploads" storage = file_storage_obj height_field = "field_name" width_field = "field_name" max_length = 100			
validators	= [validator_obj, ...]	IntegerField, PositiveIntegerField, PositiveSmallIntegerField					
Model Meta options		IPAddressField					
abstract	= False	SlugField		max_length = 100			
app_label	= "applabel"	SmallIntegerField					
db_table	= "table_name"	TextField					
db_tablespace	= "space_name"	TimeField					
get_latest_by	= "field_name"	URLField		verify_exists = False			
managed	= False	ForeignKey on_delete options					
order_with_respect_to	= "field"	CASCADE		cascades; default			
ordering	= ["field_name", ...]	PROTECT		prevent related deletion			
permissions	= [(“code”, “text label”), ...]	SET_NULL		Set to NULL			
proxy	= False	SET_DEFAULT		Set to field's default			
unique_together	= [(“field1”, “field2”), ...]	SET(value) / SET(callback)		Set to value / callback()			
verbose_name	= “verbose name”	DO NOTHING		No action (in Python)			
Model relationships							
ForeignKey(OtherModel)	related_name = “things” limit_choices_to = Q(foo=“bar”, ...) to_field = “key_field_name” on_delete = (on_delete option)						
ManyToManyField(OtherModel)	related_name = “things” limit_choices_to = Q(foo=“bar”, ...) to_field = “key_field_name” symmetrical = True, through = RelationshipModel db_table = “table_name”						
OneToOneField(OtherModel)	parent_link = False related_name = “thing” limit_choices_to = Q(foo=“bar”, ...) to_field = “key_field_name” on_delete = (on_delete option)						
Settings							
ABSOLUTE_URL_OVERRIDES	CSRF_COOKIE_NAME			DEBUG			
ADMIN_FOR	CSRF_FAILURE_VIEW			DECIMAL_SEPARATOR			
ADMIN_MEDIA_PREFIX	DATABASES			DEFAULT_CHARSET			
ADMINS	“ENGINE”			DEFAULT_CONTENT_TYPE			
ALLOWED_INCLUDE_ROOTS	“HOST”			DEFAULT_FILE_STORAGE			
APPEND_SLASH	“NAME”			DEFAULT_FROM_EMAIL			
AUTHENTICATION_BACKENDS	“OPTIONS”			DEFAULT_INDEX_TABLESPACE			
AUTH_PROFILE_MODULE	“PASSWORD”			DEFAULT_TABLESPACE			
CACHES	“PORT”			DISALLOWED_USER_AGENTS			
“BACKEND”	“USER”}			EMAIL_BACKEND			
“KEY_FUNCTION”	TEST_CHARSET			EMAIL_FILE_PATH			
“KEY_PREFIX”	TEST_COLLATION			EMAIL_HOST			
“LOCATION”	TEST_DEPENDENCIES			EMAIL_HOST_PASSWORD			
“OPTIONS”	TEST_MIRROR			EMAIL_HOST_USER			
“TIMEOUT”	TEST_NAME			EMAIL_PORT			
“VERSION”	TEST_USER			EMAIL_SUBJECT_PREFIX			
CACHE_MIDDLEWARE_ALIAS	DATABASE_ROUTERS			EMAIL_USE_TLS			
CACHE_MIDDLEWARE_ANONYMOUS_ONLY	DATE_FORMAT			FILE_CHARSET			
CACHE_MIDDLEWARE_KEY_PREFIX	DATE_INPUT_FORMATS			FILE_UPLOAD_HANDLERS			
CACHE_MIDDLEWARE_SECONDS	DATETIME_FORMAT			FILE_UPLOAD_MAX_MEMORY_SIZE			
CSRF_COOKIE_DOMAIN	DATETIME_INPUT_FORMATS			FILE_UPLOAD_PERMISSIONS			
Model Set Methods							
Chainable		all()		annotate(**annotations)			
		dates(field, “year/month/day”, “ASC/DESC”)		defer(*fields)			
		distinct()		exclude(**lookups)			
		filter(**lookups)		filter(**lookups)			
		none()		only(*fields)			
		order_by(*fields)		raw(sql, params)			
		reverse()		select_related(field, ‘field2’, ..., depth=1)			
		using(db_alias)		values(*fields)			
		values_list(*fields)		values_list(field, flat=True)			
Not chainable							
		get(**lookups)		create(**attributes)			
		get_or_create(**attributes, defaults={})		get_or_create(**attributes, defaults={})			
		count()		in_bulk(id_list)			
		iterator()		latest(field)			
		aggregate(**aggregations)		aggregate(**aggregations)			
		exists()		exists()			
		update(**attributes)		update(**attributes)			
		delete()					
Lookups							
		exact, iexact		= “string”			
		contains, icontains		= “string”			
		startswith, endswith,		istartswith, iendswith			
		in		= “string”			
		gt, It, gte, lte		= list / queryset			
		range		= date / int / float / decimal			
		year, month, day		= (lower, upper)			
		isnull		= int			
		regex, iregex		= bool			
		= r“^reg\.\ exp\.”					
Aggregation/annotation functions							
		Avg(field)		StdDev(field, sample=False)			
		Count(field, distinct=False)		Sum(field)			
		Max(field)		Variance(field, sample=false)			
Read the Docs							

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Common field options		Form widgets		Django Debug Toolbar		Datetime formatting	
<code>error_messages</code>	= {"code": "Message", ...}	<code>All widgets</code>	attrs = {'class': 'fancy', ...}	DJDT	Django Debug Toolbar Debug better, faster. http://django.me/djdt	<code>template</code>	<code>strftime</code>
<code>help_text</code>	= "help text"	<code>CheckboxInput</code>	check_test = callback(value)	Template filters		a	a.m. / p.m.
<code>initial</code>	= value	<code>CheckboxSelectMultiple</code>		add:"2"	phone2numeric	A	AM / PM
<code>label</code>	= "field label"	<code>ClearableFileInput</code>		addslashes	pluralize	B	jan, feb, ...
<code>localize</code>	= False	<code>DateInput</code>	format = "%Y-%m-%d"	capfirst	pluralize:"es"	c	2008-01-02T10:30:00.000123
<code>required</code>	= True	<code>DateTimeInput</code>	format = "%Y-%m-%d %H:%M"	center:"15"	pluralize:"yes"	d	Fri Mar 4 16:43:23 2011
<code>validators</code>	= [validator, ...]	<code>FileInput</code>		cut:""	pprint	D	01 - 31
<code>widget</code>	= WidgetClass	<code>HiddenInput</code> , <code>MultipleHiddenInput</code>		default:"nothing"	random	E	Mon, Tue, ...
Form fields		<code>MultiWidget</code>		default_if_none:"nothing"	removetags:"span div"	f	(alternate long month)
<code>BooleanField</code>		<code>NullBooleanSelect</code>		dictsort:"key"	rjust:"10"	g	1, 1:30
<code>NullBooleanField</code>		<code>PasswordInput</code>	render_value = False	dictsortreversed:"key"	safe	H	January, February, ...
<code>CharField</code>	max_length = 100 min_length = 10	<code>RadioSelect</code>		divisibleby:"4"	safeseq	I	1 - 12
<code>ChoiceField</code>	choices = [(1, "Choice 1"), ...]	<code>Select</code>		escape	slice:"10:20"	J	0 - 23
<code>TypedChoiceField</code>	choices = [(1, "Choice 1"), ...] coerce = callback(value) empty_value = ""	<code>SelectDateWidget</code>	years = [2010, 2011, ...]	escapejs	slugify	K	01 - 12
<code>MultipleChoiceField</code>	choices = [(1, "Choice 1"), ...]	<code>SelectMultiple</code>		filesizeformat	stringformat:"s"	L	01 - 23
<code>TypedMultipleChoiceField</code>	choices = [(1, "Choice 1"), ...] coerce = callback(value) empty_value = ""	<code>SplitDateTimeWidget</code>		first	striptags	M	00 - 59 (minutes)
<code>DateField</code>	input_formats = ["%Y-%m-%d"]	<code>Textarea</code>		fix_ampersands	time:"H:i"	N	00 - 59 (seconds)
<code>DateTimeField</code>	input_formats = ["%Y-%m-%d %H:%M"]	<code>TextInput</code>		timesince	timesincefrom_date	O	1 - 31
<code>DecimalField</code>	max_value = Decimal(100) min_value = Decimal(10) max_digits = 10 decimal_places = 2	<code>Timelinput</code>	format = "%H:%M:%S"	timeuntil	timeuntilfrom_date	P	001 - 365
<code>EmailField</code>				truncatetwords:"10"	truncatetwords_html:"10"	Q	Monday, Tuesday, ...
<code>FileField</code>				unordered_list	unordered_list	R	(leap year?)
<code>FilePathField</code>	path = "/home/images" recursive = True match = r"\.pdf\$"			upper	upper	S	01 - 12
<code>FloatField</code>	max_value = 100.0 min_value = 10.0			urlencode	urlencode	T	Jan, Feb, ...
<code>ImageField</code>				linebreaks	urlencodew/"+"	U	1 - 12
<code>IntegerField</code>	max_value = 100 min_value = 10			linebreaksbr	urllize	V	Jan., Feb., March, ...
<code>IPAddressField</code>				linenumbers	urllizetrunc:"15"	W	+0200
<code>RegexField</code>	regex = r'\w+' max_length = 100 min_length = 10			ljust:"10"	wordcount	X	1 a.m., noon, 2:30 p.m.
<code>SlugField</code>	max_length = 100 min_length = 10			lower	wordwrap:"20"	Y	Thu, 21 Dec 2000 16:01:07 +0200
<code>TimeField</code>	input_formats = ["%H:%M:%S"]			make_list	yesno:"yeah,no,unknown"	Z	00 - 59 (seconds)
<code>URLField</code>	max_length = 100 min_length = 10 verify_exists = False validator_user_agent = "Django/1.3"			Template tags		st	st, nd, rd, th
<code>SplitDateTimeField</code>	input_date_formats = ["%Y-%m-%d"] input_time_formats = ["%H:%M:%S"]			{% block name %}...{% endblock %}		t	28 - 31
<code>ModelChoiceField</code>	queryset = Model.objects.all() empty_label = "-----"			{% csrf_token %}		u	EST, UTC, ...
<code>ModelMultipleChoiceField</code>	queryset = Model.objects.all()			{% cycle "row1" "row2" [as varname] [silent] %}		U	(microseconds)
Django Packages				{% debug %}		w	(unix timestamp)
Find reusable apps and tools for your Django site. http://djngopackages.com/				{% extends "base.html" %}		W	0 (Sun.) - 6 (Sat.)
				{% filter force_escape lower %}...{%- endfilter %}		x	1 - 53
				{% firstof var1 var2 "fallback" %}		Y	99
				{% for i in list [reversed] %}...{% empty %}...{%- endfor %}		z	1 - 53
				{% forloop.counter %}		Z	(tz offset, seconds)
				{% forloop.counter0 %}			DATE_FORMAT
				{% forloop.revcounter %}			DATETIME_FORMAT
				{% forloop.revcounter0 %}			SHORT_DATE_FORMAT
				{% forloop.first %}			SHORT_DATETIME_FORMAT
				{% forloop.last %}			
				{% forloop.parentloop %}			
				Signals			
				{% if condition %}...{% else %}...{%- endif %}			
				{% ifchanged %}...{% else %}...{%- endifchanged %}			
				{% include "other/template.html" [with who="Jane" ... [only]] %}			
				{% load foo bar ... from] other_library %}			
				{% now "S F Y H:i" %}			
				{% regroup people by gender as gender_list %}			
				{% spaceless %}...{%- endspaceless %}			
				{% templatetag openblock / closeblock / openvariable / closevariable / openbrace / closebrace / opencomment / closecomment %}			
				{% url path.to.view arg1 arg2 arg3=+1 arg4=+2 [as the_url] %}			
				{% widthratio this_value max_value 100 %}			
				{% with alpha=1 beta=2 ... %}...{%- endwith %}			
				django.shortcuts			
				Celery			
				Distributed, asynchronous task queue. http://celeryproject.org/			
				django.shortcuts			
				HttpRequest			
				HttpResponse			
				Django Debug Toolbar			
				Template filters			
				Template tags			
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				Django Debug Toolbar			
				Template filters			
				Template tags			
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