

DJANGO CHEAT SHEET

Version 1.0

mercurytide
www.mercurytide.co.uk/careers

Issue 4

Template tags

... - end tag required

{# one line comment #}		ifequal...	<i>var1 var2</i>
autoescape...	on/off	ifnotequal...	<i>var1 var2</i>
block...	<i>name</i>	include	" <i>template</i> "
comment...		load	<i>tag_library</i>
cycle	"one" "two" "three"	now	" <i>date format</i> "
debug		regroup	<i>list_of_dicts</i> by key as <i>var</i>
extends	" <i>template</i> "	spaceless...	
filter...	<i>filter1</i> <i>filter2</i>	templatetag	openblock open or close block, brace, variable, comment
firstof	<i>var1 var2</i> "default"	url	<i>view arg</i> , <i>kwarg=value</i>
for...	<i>item</i> in <i>a_list</i>	widthratio	<i>a b c</i>
if...else...endif	<i>boolean expression</i>	with...	<i>var1.attr</i> as <i>var2</i>
ifchanged...	<i>var</i>		

Template date formats

h	01 to 12	HOUR	d	01 to 31	DAY	F	January	MONTH	T	EST, MDT	TIME
g	1 to 12		j	1 to 31		M	Jan		O	+0200	
H	00 to 23		S	suffix: st, nd, rd or th		b	jan		Z	-43200 to 43200 (seconds)	
G	0 to 23		l	Friday		N	Jan., Feb., March, May		f	l, l:30	
i	00 to 59	MIN & SEC	D	Fri	DAY OF WEEK	m	01 to 12	FORMATS	P	l a.m., l:30 p.m., noon	
s	00 to 59		w	0 (Sun) to 6 (Sat)		n	l to 12		r	Thu, 21 Dec 2000 16:01:07 +0200	
a	a.m. or p.m.	AM & PM	z	day of year: 0 to 365	MISC	y	99	YEAR	L	is leap year: True or False	
A	AM or PM		W	week number: 1 to 53		Y	1999		t	length of month: 28 to 31	

ModelAdmin options

date_hierarchy	= "date_field"
form	= FormClass
fieldsets	= [{"Details", {"fields": ("name",)}}]
fields	= list_of_field_names
filter_horizontal	= False
filter_vertical	= False
list_display	= list_of_field_names
list_display_links	= list_of_field_names
list_filter	= list_of_field_names
list_per_page	= 100

list_select_related	= False
inlines	= list_of_InlineClasses
ordering	= list_of_field_names
prepopulated_fields	= {"slug": ("name",)}
radio_fields	= {"agree": admin.VERTICAL}
raw_id_fields	= list_of_fk_fields
save_as	= False
save_on_top	= False
search_fields	= list_of_field_names

Template filters

default	<i>value</i>	GENERAL	escape		ESCAPING	
default_if_none	<i>value</i>		force_escape			
yesno	"yes,no,none"		safe	don't escape		
stringformat	"s" python "%" formatting		escapejs	\x20 escapes		
first		LISTS	iriencode	IRI to URI	NUMBERS	
last			urlencode	%20 escapes		
random			add	5		
length			divisibleby	3		
length_is	<i>number</i>		floatformat	<i>decimal_places</i>		
join	", "		filesizeformat			
make_list	makes list of digits/characters		get_digit	<i>n</i> nth-rightmost digit from integer		
slice	"1:5"		pluralize	"y,ies"		
dictsort	"key"		date	" <i>date_format</i> "		DATES & TIMES
dictsortreversed	"key"		time	" <i>date_format</i> "		
unordered_list	adds tags	timesince	<i>datetime</i>			
		timeuntil	<i>datetime</i>			
		TEXT FORMATTING	lower		TEXT FORMATTING	
			upper			
			title			
			capfirst			
			slugify			
			ljust	<i>width</i>		
			rjust	<i>width</i>		
			center	<i>width</i>		
			wordwrap	<i>width</i>		
			wordcount			
		striptags				
		removetags	"a img"			
		truncatewords	<i>number</i>			
		truncatewords_html	<i>number</i> adds closing tags			
		linebreaks				
		linebreaksbr				
		urlize				
		urlizetrunc	<i>max_length</i>			
		cut	"x" strips "x" from string			
		linenumbers				
		phone2numeric				
		pprint				

InlineModelAdmin options

model	= Book
fk_name	= "book"
formset	= BaselineFormSet
extra	= 3
max_num	= 0
template	= "template"
verbose_name	= "Book"
verbose_name_plural	= "Books"

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Model fields common options

null	=False
blank	=False
choices	= <i>list_of_tuples</i>
db_column	= <i>"column_name"</i>
db_index	=False
db_tablespace	= <i>"tablespace_name"</i>
default	= <i>value_or_func</i>
editable	=True
help_text	= <i>"text"</i>
primary_key	=False
unique	=False
unique_for_date	= <i>"date_field"</i>
unique_for_month	= <i>"date_field"</i>
unique_for_year	= <i>"date_field"</i>

Meta class options

abstract	=False
db_table	= <i>"table_name"</i>
db_tablespace	= <i>"tablespace_name"</i>
get_latest_by	= <i>"field_name"</i>
order_with_respect_to	= <i>"fk_field_name"</i>
ordering	= <i>list_of_columns</i>
permissions	= <i>list_of_tuples</i>
unique_together	= <i>list_of_tuples</i>
verbose_name	= <i>"Model"</i>
verbose_name_plural	= <i>"Models"</i>

Form fields common options

required	=True
label	= <i>"Field name"</i>
initial	= <i>{}</i>
widget	= <i>Widget</i>
help_text	= <i>"text"</i>
error_messages	= <i>{}</i>

Model fields

BooleanField	
NullBooleanField	
CharField	<i>max_length</i>
TextField	
SlugField	<i>max_length</i> = 50
FilePathField	<i>path</i> = <i>"/home/images"</i> <i>match</i> = <i>r"\.jpg\$"</i> <i>recursive</i> = True <i>max_length</i> = 100
IntegerField	
PositiveIntegerField	
AutoField	
DecimalField	<i>max_digits</i> = 10 <i>decimal_places</i> = 2
FloatField	
SmallIntegerField	
PositiveSmallIntegerField	
CommaSeparatedIntegerField	<i>max_length</i> = 50
DateField	<i>auto_now</i> = False <i>auto_now_add</i> = False

DateTimeField	<i>auto_now</i> = False <i>auto_now_add</i> = False
TimeField	<i>auto_now</i> = False <i>auto_now_add</i> = False
EmailField	<i>max_length</i> = 75
IPAddressField	
URLField	<i>verify_exists</i> = True <i>max_length</i> = 200
FileField	<i>upload_to</i> = <i>"uploads/"</i> <i>max_length</i> = 100 <i>storage</i> = <i>FileSystemStorage</i>
ImageField	<i>upload_to</i> = <i>"uploads/"</i> <i>max_length</i> = 100 <i>storage</i> = <i>FileSystemStorage</i> <i>height_field</i> = <i>"field_name"</i> <i>width_field</i> = <i>"field_name"</i>
XMLField	<i>schema_path</i> = <i>path_to_RelaxNG_schema</i>

Relational model fields

ForeignKey(model)	<i>related_name</i> = <i>"model_set"</i> <i>limit_choices_to</i> = <i>query_kwargs</i> <i>to_field</i> = <i>"key_field"</i>
ManyToManyField(model)	<i>related_name</i> = <i>"model_set"</i> <i>limit_choices_to</i> = <i>query_kwargs</i> <i>through</i> = <i>"IntermediateModel"</i> <i>symmetrical</i> = True
OneToOneField(model)	<i>parent_link</i> = <i>"field"</i>
GenericForeignKey("content_type_field", "object_id_field")	

Form error_messages keys

required	max_decimal_places
max_length	max_whole_digits
min_length	missing
invalid	empty
invalid_choice	invalid_image
max_value	invalid_list
min_value	invalid_link
max_digits	

Form fields

BooleanField		FloatField	<i>max_value</i> <i>min_value</i>	ModelChoiceField	<i>queryset</i> <i>empty_label</i> = <i>"----</i> " <i>cache_choices</i> = False
NullBooleanField		DateField	<i>input_formats</i> = <i>list_of_formats</i>	ModelMultipleChoiceField	<i>queryset</i> <i>cache_choices</i> = False
CharField	<i>max_length</i> <i>min_length</i>	DateTimeField	<i>input_formats</i> = <i>list_of_formats</i>	URLField	<i>max_length</i> <i>min_length</i> <i>verify_exists</i> = False <i>validator_user_agent</i>
IntegerField	<i>max_value</i> <i>min_value</i>	TimeField	<i>input_formats</i> = <i>list_of_formats</i>	EmailField	<i>max_length</i> <i>min_length</i>
DecimalField	<i>max_value</i> <i>min_value</i> <i>max_digits</i> <i>decimal_places</i>	ChoiceField	<i>choices</i> = <i>list_of_tuples</i>		
		MultipleChoiceField	<i>choices</i> = <i>list_of_tuples</i>		

IPAddressField	
FileField	
ImageField	
FilePathField	<i>path</i> = <i>"/home/images"</i> <i>match</i> = <i>r"\.jpg\$"</i> <i>recursive</i> = False
RegexField	<i>regex</i> <i>max_length</i> <i>min_length</i>