Cheatography

django basics Cheat Sheet

by dbean via cheatography.com/128720/cs/25468/

setup

creating a project	`django -admin startp roject mysite .`
changing settings	edit mysite/settings.py
database setup	`python3 manage.py migrate`
run the server	`python3 manage.py runserver`
and in browser:	http://127.0.0.1:8000/
test shit in an interactive console	`python3 manage.py shell`

apps

creating an application	`python3 manage.py startapp blog`
add the app name to `IN STAL LED _APPS`	`'blog.a pp s.B log Config'`
models are kept in models.py	
add, edit and delete model in admin.py	

django querysets

getting the model classes	`from app_name.models import model_name`
getting the user model	`from django.co ntr ib.a ut h.m odels import User`
see all objects of a certain model	`Class_ nam e.o bje cts.all()` (is iterable)
create an object	`Class_ nam e.o bje cts.cr eat e(a ttr ibutes)` you don't have to save for it to be reflected
accessing the object via attribute	`Class_ nam e.o bje cts.ge t(a ttr ="va lue ")`
filtering (can return multiple, iterable)	`Class_ nam e.o bje cts.fi lte r(a ttr ="va lue")`
filtering (contains)	`Class_ nam e.o bje cts.fi lte r(t itl e__ con tai n s= " phr ase ")`
	`publis hed _da te_ _lt e=t ime zon e.now()`

django querysets (cont)

ordering	`Class_ nam e.o bje cts.or der _by ("at tri b` "-attr" does the reverse
you can combine ordering and filtering	`Class_ nam e.o bje cts.does this first.does cond`
delete	`obj.delete()`

forms

import	`from django import forms`
	`from .models import model_name`

security

login decorator	`from django.co ntr ib.a ut h.d eco rators i eq uired`
	`@login _re quired`

model attributes

model attribute	descri-ption	args
`models.Ch arField`	text with a limited number of characters	`max_length`
`models.Te xtField`	text field with unlimited content	
`models.Da teT ime Fi eld`	datetime field	`default, blank, null, d`

databases

creating a database	`python3 manage.py migrate`
update changes to database	`python3 manage.py makemi gra tions me`
migrate	`python3 manage.py migrate app_name`
register database in *app_name*/admin.py	`admin.s it e.r egi ster(Model_name)`

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admin

register a model	`admin.s it e.r egi ste r(Post)`
create superuser	`python3 manage.py create sup eruser`

pythonanywhere deployment

1. create the api token
2. new bash console
3. in bash: `pip3 install --user python any where`
4. `pa_aut oco nfi gur e_d jan go.py --pyth on=3.8 repo _l ink.git`
5. to update website, go to your directory and pull code
6. reload at web
7. `workon your_d ire ctory`
8. `python3 manage.py collec tstatic`

basic styling

get bootstrap	`<link rel="st yle she et" href="/ /ma xcd n.b oot str apc dn.c om /bo ots tra p/3.4.1 /c ss/ boo ts rap.mi n.c ss">`
	`<link rel="st yle she et" href="/ /ma xcd n.b oot str apc dn.c om /bo ots tra p/3.4.1 /c ss/ boo ts rap -th eme.mi n.c ss">`
add static files	make a *static* folder with css files inside *app_name* folder
	`{% load static %}`
	`<link rel="st yle she et" href="{% static 'css/b log.css' %}">`
create a block	`{% block content %}`
	`{% endblock %}`
block content	`{% block content %}`
	`{% endblock %}`
connect a block to the base	`{%  extends 'blog/ bas e.html' %}`
link a url within a site	`a href="{% url 'url_name' pk=post.pk %}"`
	where pk stands for primary key
to use the link	`path('whatever/<i nt: pk>/', views.view_name, name=' *ur l_n ame')`