

python 3.5+ django 2.2, 3.0, 3.1

Install python

Python 3.7.7

```
C:\Users\ALMAS>python
Python 3.7.7 (tags/v3.7.7:d7c567b08f, Mar 10 2020, 09:44:33) [MSC v.1900 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

```
C:\Users\ALMAS>pip

Usage:
  pip <command> [options]

Commands:
  install           Install packages.
  download          Download packages.
  uninstall         Uninstall packages.
  freeze            Output installed packages in requirements format.
  list              List installed packages.
  show              Show information about installed packages.
  check             Verify installed packages have compatible dependencies.
  config            Manage local and global configuration.
  search            Search PyPI for packages.
  wheel             Build wheels from your requirements.
  hash              Compute hashes of package archives.
  completion        A helper command used for command completion.
  debug             Show information useful for debugging.
  help              Show help for commands.

General Options:
  -h, --help            Show help.
  --isolated            Run pip in an isolated mode, ignoring environment variables and user configuration.
  -v, --verbose         Give more output. Option is additive, and can be used up to 3 times.
  -V, --version         Show version and exit.
  -q, --quiet           Give less output. Option is additive, and can be used up to 3 times (corresponding to
                        WARNING, ERROR, and CRITICAL logging levels).
  --log <path>         Path to a verbose appending log.
  --proxy <proxy>       Specify a proxy in the form [user:passwd@]proxy.server:port.
  --retries <retries>   Maximum number of retries each connection should attempt (default 5 times).
  --timeout <sec>       Set the socket timeout (default 15 seconds).
  --exists-action <action> Default action when a path already exists: (s)witch, (i)gnore, (w)ipe, (b)ackup,
                        (a)bort.
  --trusted-host <hostname> Mark this host as trusted, even though it does not have valid or any HTTPS.
  --cert <path>         Path to alternate CA bundle.
  --client-cert <path>  Path to SSL client certificate, a single file containing the private key and the
                        certificate in PEM format.
  --cache-dir <dir>     Store the cache data in <dir>.
  --no-cache-dir        Disable the cache.
  --disable-pip-version-check Don't periodically check PyPI to determine whether a new version of pip is available for
                        download. Implied with --no-index.
  --no-color            Suppress colored output
```

Install virtualenv

Pip install virtualenv

```

C:\Users\ALMAS>pip install virtualenv
Requirement already satisfied: virtualenv in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: importlib-metadata>=0.12; python_version < "3.8" in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: platformdirs<3,>=2 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: six<2,>=1.9.0 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: distlib<1,>=0.3.1 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: filelock<4,>=3.0.0 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: backports.entry-points-selectable>=1.0.4 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: zipp>=0.5 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: typing-extensions>=3.6.4; python_version < "3.8" in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
"->virtualenv) (3.10.0.0)
WARNING: You are using pip version 19.2.3, however version 21.2.4 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

```

Pip install virtualenvwrapper

```

C:\Users\ALMAS>Pip install virtualenvwrapper
Requirement already satisfied: virtualenvwrapper in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenvwrapper-3.10.0.0.exe
Requirement already satisfied: virtualenv in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: virtualenv-clone in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: stevedore in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: platformdirs<3,>=2 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: filelock<4,>=3.0.0 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: six<2,>=1.9.0 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: distlib<1,>=0.3.1 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: importlib-metadata>=0.12; python_version < "3.8" in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: backports.entry-points-selectable>=1.0.4 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: pbr!=2.1.0,>=2.0.0 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: zipp>=0.5 in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
Requirement already satisfied: typing-extensions>=3.6.4; python_version < "3.8" in c:\users\almas\appdata\local\programs\python\python37\Scripts\virtualenv-3.10.0.0.exe
"->virtualenv->virtualenvwrapper) (3.10.0.0)
WARNING: You are using pip version 19.2.3, however version 21.2.4 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

```

virtualenv -p python3 djangoenv

```

C:\Users\ALMAS>cd C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1
C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1>virtualenv -p python3 djangoenv
created virtual environment CPython3.7.7.final.0-32 in 1023ms
  creator CPython3Windows(dest=C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1\djangoenv,
  ignore=False, global=False)
  seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_
  AppData\Local\pypa\virtualenv)
    added seed packages: pip==21.2.3, setuptools==57.4.0, wheel==0.36.2
    activators BashActivator,BatchActivator,FishActivator,PowerShellActivator,PythonActivator

```

Activate

```

C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1\djangoenv\Scripts>activate
(djangoenv) C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1\djangoenv\Scripts>

```


Install Django

Pip install -U Django==2.2

```
(djangoenv) C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1\djangoenv\Scripts>Pip install -U Django==2.2
Collecting Django==2.2
  Using cached Django-2.2-py3-none-any.whl (7.4 MB)
Collecting sqlparse
  Using cached sqlparse-0.4.1-py3-none-any.whl (42 kB)
Collecting pytz
  Using cached pytz-2021.1-py2.py3-none-any.whl (510 kB)
Installing collected packages: sqlparse, pytz, Django
Successfully installed Django-2.2 pytz-2021.1 sqlparse-0.4.1
WARNING: You are using pip version 21.2.3; however, version 21.2.4 is available.
You should consider upgrading via the 'C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1\djangoenv\Scripts\python.exe -m pip install --upgrade pip' command.
```

pip install django-filer

Install atom

Install some packages(autocomplete-python, atom-python-virtualenv, script)

atom-python-virtualenv setting -> set

C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1

autocomplete-python setting -> extra paths for packages -> set

C:\Users\ALMAS\OneDrive\Desktop\install\djangoenv1\envs1\djangoenv\Lib\site-packages

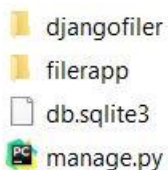
Start project

django-admin startproject filerapp

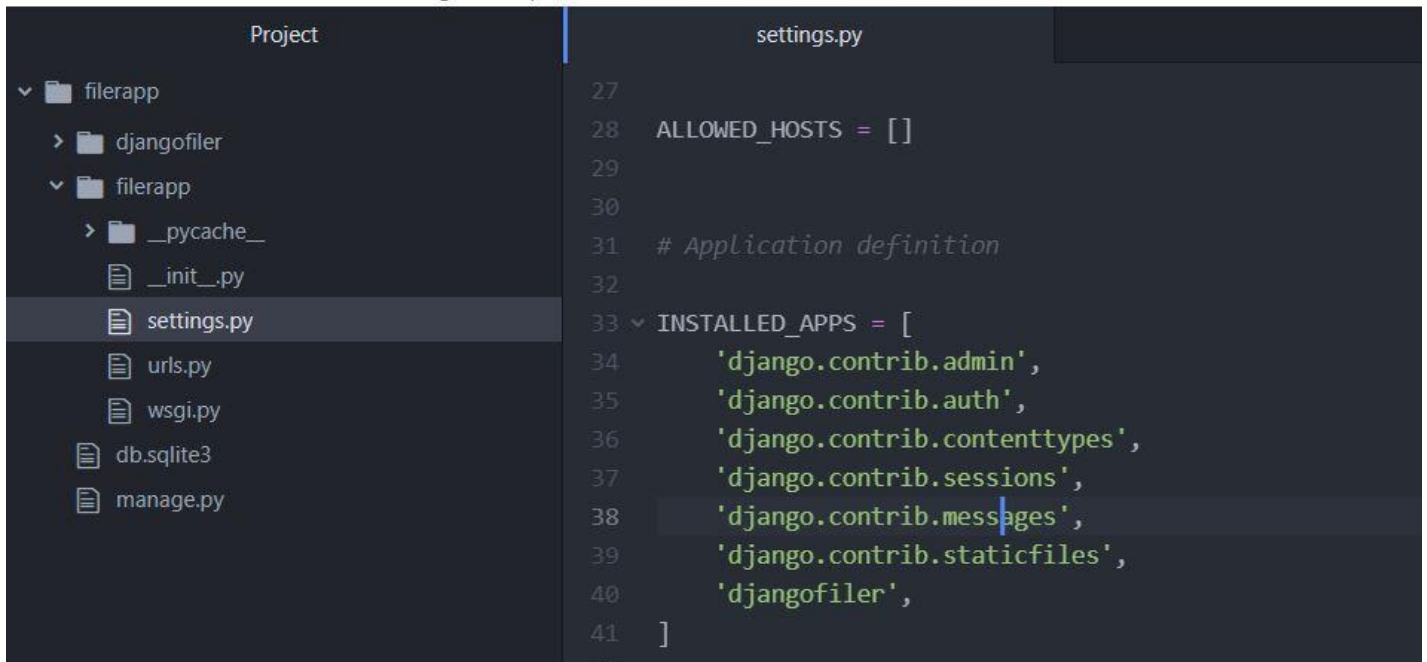
```
(djangoenv) C:\Users\ALMAS\OneDrive\Desktop\install\django>django-admin startproject filerapp
```

python manage.py startapp djangofiler

(Add filer app)



Filer app -> setting -> INSTALLED_APPS -> add app



Add filer and related apps to project's `INSTALLED_APPS` setting and run `manage.py migrate`:

```
INSTALLED_APPS = [
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'djangofiler',
    'easy_thumbnails',
    'filer',
    'mptt',
]
```

Project -> `urls.py` -> include

```
from django.contrib import admin
from django.urls import path, include

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

(Another approach)

```

from django.contrib import admin
from django.urls import path, include

urlpatterns = [
    path('admin/', admin.site.urls),
    path('djangofiler/filer/', include('filer.urls')),
]

```

python manage.py migrate

```

(djangoenv) C:\Users\ALMAS\OneDrive\Desktop\install\django\filerapp>python manage.py migrate
System check identified some issues:

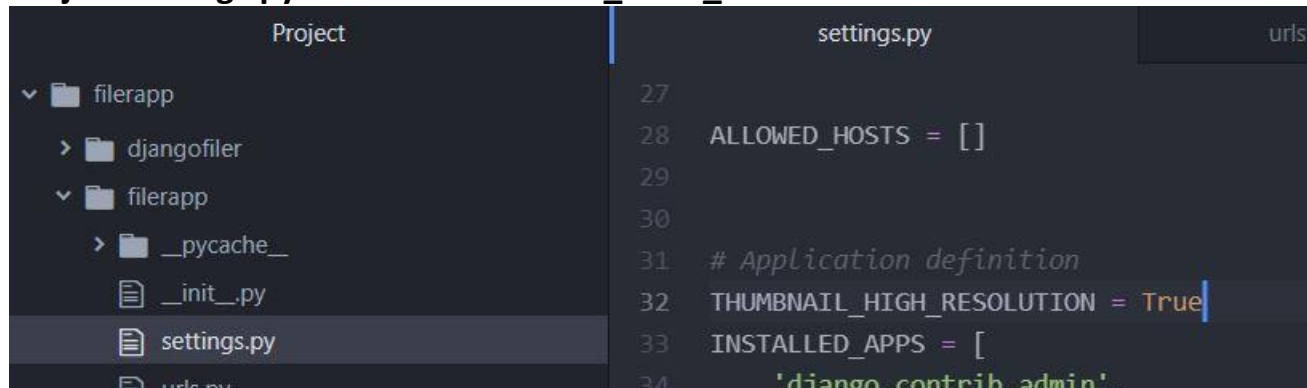
WARNINGS:
?: (2_0.W001) Your URL pattern '^filer/' has a route that contains '(?P<', begins with a '^', o
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, easy_thumbnails, filer, sessions
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying admin.0003_logentry_add_action_flag_choices... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying auth.0010_alter_group_name_max_length... OK
  Applying auth.0011_update_proxy_permissions... OK
  Applying easy_thumbnails.0001_initial... OK
  Applying easy_thumbnails.0002_thumbnaildimensions... OK
  Applying filer.0001_initial... OK
  Applying filer.0002_auto_20150606_2003... OK
  Applying filer.0003_thumbnailoption... OK
  Applying filer.0004_auto_20160328_1434... OK
  Applying filer.0005_auto_20160623_1425... OK
  Applying filer.0006_auto_20160623_1627... OK
  Applying filer.0007_auto_20161016_1055... OK
  Applying filer.0008_auto_20171117_1313... OK
  Applying filer.0009_auto_20171220_1635... OK
  Applying filer.0010_auto_20180414_2058... OK
  Applying filer.0011_auto_20190418_0137... OK
  Applying filer.0012_file_mime_type... OK
  Applying sessions.0001_initial... OK

```



```
(djangoenv) C:\Users\ALMAS\OneDrive\Desktop\install\django\filerapp>python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, easy_thumbnails, filer, sessions
Running migrations:
  No migrations to apply.
```

Project settings.py -> add THUMBNAIL_HIGH_RESOLUTION = True



Create superuser:

python manage.py createsuperuser

```
(djangoenv) C:\Users\ALMAS\OneDrive\Desktop\install\django\filerapp>python manage.py createsuperuser
Username (leave blank to use 'almas'): filer
Email address:
Password:
Password (again):
This password is too common.
This password is entirely numeric.
Bypass password validation and create user anyway? [y/N]: y
Superuser created successfully.
```

python manage.py runserver

```
(djangoenv) C:\Users\ALMAS\OneDrive\Desktop\install\django\filerapp>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
August 15, 2021 - 11:07:08
Django version 2.2, using settings 'filerapp.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
Not Found: /djangofiler/filerapp/
```

Django administration

WELCOME, FILER. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Filer


>

f

Search

New Folder

Upload Files

<input type="checkbox"/>	NAME	OWNER	SIZE	ACTION
<input type="checkbox"/>	 pc.y	filer	(5.6 kilobytes)	<div> <div></div> <div></div> <div></div> <div></div> </div>

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