# DJANGO SETUP 18.04

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**DATABASE SETUP**

$ sudo apt-get install python3-dev libmysqlclient-dev

$ Sudo apt-get install mysql-server

$ sudo mysql

**mysql** > ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql\_native\_password BY 'password';

**mysql>** FLUSH PRIVILEGES;

**mysql>** exit

$ mysql -u root -p

**mysql>** CREATE USER 'sammy'@'localhost' IDENTIFIED BY 'password';

**mysql>** GRANT ALL PRIVILEGES ON \*.\* TO 'sammy'@'localhost' WITH GRANT OPTION;

**mysql>** exit

$ mysql -u sammy -p

Password: Python@7

**mysql>** create database webnews;

mysql> exit

**PYTHON DEVELOPMENT SETUP**

$ sudo apt-get install python3-pip

$ sudo apt-get install virtualenv

$ mkdir dev

$ cd dev

$ virtualenv -p python3 vena

$ source vent/bin/activate

**(venv)$** pip install django mysqlclient pillow djangorestframework

Saving package info:

**(venv)$** pip freeze > requirements.txt

At later time, requirements.txt file can be used to quickly install all packages required for you application in a new virtual environment.

$virtualenv -p python3 new\_venv

$source new\_venev/bin/activate

(new\_venv)$pip install -r requirements.txt

**Deactivating venv:**

(venv)$ deactivate

Django Application Development

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**(venv)$** django-admin startproject webnews

**(venv)$** cd webnews

**(venv)$** cd webnews

**(venv)$** python manage.py runserver

Performing system checks...

System check identified no issues (0 silenced).

August 04, 2018 - 06:21:11

Django version 2.1, using settings 'webnews.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CONTROL-C.

(venv)$ ctrl + c

**(venv)$** python manage.py migrate

Operations to perform:

Apply all migrations: admin, auth, contenttypes, 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 sessions.0001\_initial... OK

**(venv)$** atom .

Open **settings.py** file, change the database to mysql

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.mysql',

'NAME': 'webnews',

'USER': 'naren',

'PASSWORD': 'Python@7',

'HOST': 'localhost',

'PORT': '3306',

}

}