**Set up Python Web Testing Environment Tutorial:**

1. Download PyCharm and install

<https://www.jetbrains.com/pycharm/download/#section=windows>

1. Download Python 2.7.15

<https://www.python.org/downloads/release/python-2715/>

1. Download Python 3.7.1

<https://www.python.org/downloads/release/python-371/>

1. C:\Python37>pip –version 🡪 Check pip version
2. python -m pip install -U pip 🡪 upgrade pip

1. C:\Python**3**7\Scripts>pip**3** install django==2.0 🡪 install Django 2.0 (For “include” function)
2. **C:\Python37>python.exe** -m django –version 🡪 Check Python Version
3. cd **“C:\Users\Zebo\Desktop\7. Graduate Assistantship\1. Django\_Testing\”**
4. C:\Python37\Lib\site-packages 🡪 Check all packages
5. Add Python Path to Environment Variables <https://www.youtube.com/watch?v=Y2q_b4ugPWk>

* Add Python 3
* Add Python 2

1. django-admin startproject mysite

1. python3 manage.py runserver 7007 🡪 改端口

1. python3 manage.py startapp polls
2. **polls/views.py**

from django.http import HttpResponse

def index(request):

return HttpResponse("Hello, world. You're at the polls index.")

1. **polls/urls.py**

from django.urls import path

from . import views

urlpatterns = [

path('', views.index, name='index'),

]

1. **mysite/urls.py**

from django.contrib import admin

from django.urls import include, path

urlpatterns = [

path('polls/', include('polls.urls')),

path('admin/', admin.site.urls),

]

1. python3 manage.py runserver 7007 🡪 改端口
2. <http://localhost:7007/polls/>
3. Download **MySQL Installer 8.0.13 (The package includes “Workbench” and “”)**

<https://dev.mysql.com/downloads/installer/>

1. Download **MySQL Workbench 8.0.13**

<https://dev.mysql.com/downloads/workbench/>

1. mysite/settings.py

DATABASES = {

'default': {

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

'NAME': 'sys',

'USER': 'root',

'PASSWORD': 'Xi0ngZeb0Xi0ngZeb0',

'HOST': '127.0.0.1',

'PORT': '3306',

}

}

1. Download “**Microsoft Build Tools for Visual Studio 2017**” for “Microsoft Visual C++ 14.0 is required” and "Microsoft Visual C++ Build Tools” for “**easy\_install mysql-python**”

<https://visualstudio.microsoft.com/thank-you-downloading-visual-studio/?sku=BuildTools&rel=15>

1. Download **mysqlclient-1.3.13-cp37-cp37m-win32.whl** <https://www.lfd.uci.edu/~gohlke/pythonlibs/#mysql-python>
2. pip install mysqlclient-1.3.13-cp37-cp37m-win32.whl
3. pip install wheel

1. Setup PyCharm IDE

<https://www.youtube.com/watch?v=0y5XlNeFxNk>

1. python manage.py startapp webapp

1. Follow the instruction:

* Introduction - Django Web Development with Python 1 <https://www.youtube.com/watch?v=FNQxxpM1yOs&vl=en>
* Django Web Development with Python 2 <https://www.youtube.com/watch?v=iZ5my3krEVM>
* Jinja Templating - Django Web Development with Python 3 <https://www.youtube.com/watch?v=3tf8XlhsQAo>

* Bootstrap HTML CSS - Django Web Development with Python 4 <https://www.youtube.com/watch?v=p8qpu9WscFU>

1. Download Bootstrap

<https://getbootstrap.com/>

1. Install Django-Mysql

C:\Python37\Scripts>pip install django-mysql

1. python manage.py createsuperuser



Demo CSS: <https://getbootstrap.com/docs/3.3/css/>

Demo Javascript: <https://getbootstrap.com/docs/3.3/javascript/>

Components: <https://getbootstrap.com/docs/3.3/components/>



1. **easy\_install mysql-python** (mix os)
2. **pip install mysql-python** (mix os/ python 2)
3. **pip install mysqlclient** (mix os/ python 3)
4. **apt-get install python-mysqldb** (Linux Ubuntu, ...)
5. **cd /usr/ports/databases/py-MySQLdb && make install clean** (FreeBSD)
6. **yum install MySQL-python** (Linux Fedora, CentOS ...)

pip install --upgrade Django==2.0

>>> *import django*

>>> print(django.get\_version())

cd “C:\Users\Zebo\Desktop\7. Graduate Assistantship\1. Django\_Testing\”

Python 3.7.1

Anaconda

pip install --upgrade Django==2.0

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* Writing your first Django app, part 1

<https://docs.djangoproject.com/en/2.1/intro/tutorial01/>

* Writing your first Django app, part 2

<https://docs.djangoproject.com/en/2.1/intro/tutorial02/>

* Writing your first Django app, part 3

<https://docs.djangoproject.com/en/2.1/intro/tutorial03/>

<http://127.0.0.1:8000/>

<http://127.0.0.1:8000/polls/>

/polls/34/

django-admin startproject mysite

python manage.py runserver

python manage.py startapp polls

pip install mysqlclient

python manage.py makemigrations polls

*cd “C:\Users\Zebo\Desktop\7. Graduate Assistantship\1. Django\_Testing\”*

python manage.py migrate

*python manage.py runserver*

python manage.py makemigrations polls

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System check identified no issues (0 silenced).

You have 14 unapplied migration(s). Your project may not work properly until you apply the migrations for app(s): admin, auth, contenttypes, sessions.

Run 'python manage.py migrate' to apply them.

November 06, 2018 - 22:19:22

Django version 2.0, using settings 'mysite.settings'

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

Quit the server with CTRL-BREAK.

Not Found: /

[06/Nov/2018 22:20:21] "GET / HTTP/1.1" 404 2027

Please follow below links to get familiar with concept of web server and django framework.

1. <https://developer.mozilla.org/en-US/docs/Learn/Common_questions/What_is_a_web_server>

2. <https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/How_the_Web_works>

3. <https://developer.mozilla.org/en-US/docs/Learn/Common_questions/set_up_a_local_testing_server>

4. <https://developer.mozilla.org/en-US/docs/Learn/Server-side/Django>

Django at a glance

<https://docs.djangoproject.com/en/2.1/intro/overview/>

Django Tutorial 2018 for Beginners Part 1 - How to Create a Project

<https://www.youtube.com/watch?v=I7WtoFivrS0>

* Writing your first Django app, part 1

<https://docs.djangoproject.com/en/2.1/intro/tutorial01/>

Using Django

<https://docs.djangoproject.com/en/2.1/topics/>

cd C:\Users\Zebo\Desktop\7. Graduate Assistantship\1. Django\_Testing\mysite python manage.py runserver

django-admin startproject mysite

python manage.py runserver

python manage.py startapp polls

python manage.py runserver

django-admin –version

django-admin.py version

pip install --upgrade Django==2.0

<http://127.0.0.1:8000/>

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https://code.ziqiangxuetang.com/django/django-basic.html

django-admin startproject website

python manag.py startapp music

python3 manage.py migrate

python manage.py createsuperuser

zeboxiong | thetrails

python3 manage.py shell

from music.models import Album, Song

Album.objects.all()

b= Album(artist=”Zebo Xiong”, album\_title=”white”, genre=”Country”, album\_logo=”www.google.com.hk”)

b.save()

Album.objects.filter(id=1)

Album.objects.filter(artist\_\_startwith=’Taylor’)

from music.models import Album, Song

album1 = Album.objects.get(pk=1)

album1.artist

Installing Bower nodejs.org

<https://www.youtube.com/watch?v=Lq_rZznOAbM>

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DATABASES = {

'default': {

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

'NAME': 'dreamhome',

'USER': 'root',

'PASSWORD': 'root',

'HOST': '127.0.0.1',

'PORT': '3306',

}

}

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\*\*\*\*\*\*\*\*\*\*\*\*\* command I use today 1127 \*\*\*\*\*\*\*\*\*\*\*\*\*

python3 manage.py makemigrations soga

python3 manage.py migrate soga

soga\_admin

[zeboxiong.study@gmail.com](mailto:zeboxiong.study@gmail.com)

soga\_admin

zeboDDD

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