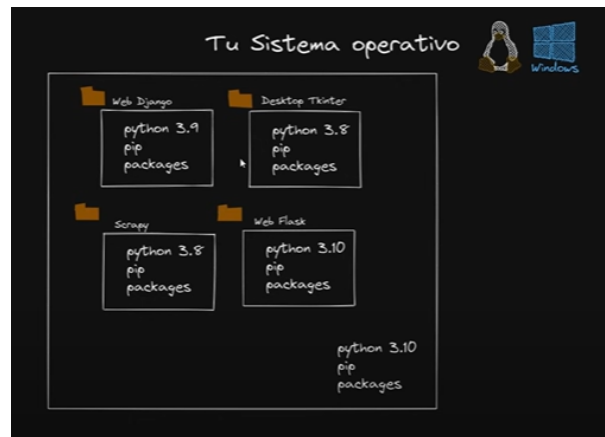


## curso Django Fazt



### crear entorno virtual

```
pip install virtualenv
```

```
virtualenv --version
```

```
virtualenv venv
```

### activar entorno virtual

```
.\venv\Scripts\activate
```

```
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django project>
```

### instalar los requerimientos en el venv (opcional) y generarlos

```
pip install -r requirements.txt
```

```
pip freeze > requirements.txt
```

### instalar django

```
pip install django
```

```
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django project> django-admin --version
5.0.1
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django project> python -m django --version
5.0.1
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django project>
```

```
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django project> python
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun 7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import django
>>> django.get_version()
'5.0.1'
>>>
```

## crear proyecto django

```
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django\project> django-admin startproject mysite
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django\project> django-admin startproject mysite .
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django\project> |
```

## correr servidor

```
python manage.py runserver
```

```
python manage.py runserver 3000
```

django

View [release notes](#) for Django 5.0



The install worked successfully! Congratulations!

You are seeing this page because `DEBUG=True` is in your settings file and you have not configured any URLs.



**Django Documentation**  
Topics, references, & how-tos



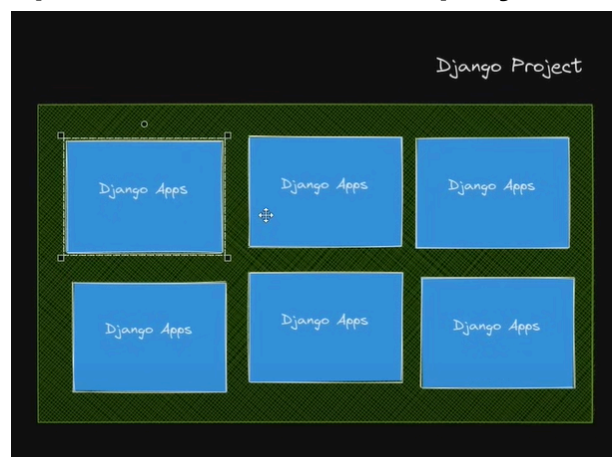
**Tutorial: A Polling App**  
Get started with Django



**Django Community**  
Connect, get help, or contribute

```
python manage.py --help
```

## Crear aplicaciones dentro del proyecto django



```
python manage.py startapp blog
```

```
python manage.py startapp myapp
```

## configurar urls

mysite >  urls.py > ...

```
17 from django.contrib import admin
18 from django.urls import path
19 from myapp.views import hello
20
21 urlpatterns = [
22     path('admin/', admin.site.urls),
23     path('', hello),
24 ]
```

myapp >  views.py > ...

```
1 from django.shortcuts import render
2 from django.http import HttpResponse
3
4
5 # Create your views here.
6 def hello(request):
7     return HttpResponse("Hello World !!!")
8
9 def about(request):
10    return HttpResponse("About !!!")
11
```

```
from django.contrib import admin
from django.urls import path
from myapp.views import hello #primera opcion
from myapp import views #segunda opcion

urlpatterns = [
    path('admin/', admin.site.urls),
    path('', hello), #primera opcion
    path('about/', views.about), #segunda opcion
]
```

cada app con sus urls y llamarlas desde la app principal global

```
myapp > 🌀 urls.py > ...
1  from django.urls import path
2  from myapp.views import hello #asi estaba antes
3  from myapp import views #asi estaba antes
4  from . import views #asi es ahora
5
6  urlpatterns = [
7      path('', hello),
8      path('about/', views.about),
9  ]
10
```

```
mysite > 🌀 urls.py > ...
17  from django.contrib import admin
18  from django.urls import path, include
19
20
21  urlpatterns = [
22      path('admin/', admin.site.urls),
23      path('', include('myapp.urls'))
24
25  ]
26
```

## trabajar con bases de datos

```
python manage.py makemigrations
```

```
python manage.py migrate
```

```
myapp > models.py > ...
1  from django.db import models
2
3  # Create your models here.
4  class Project(models.Model):
5      name = models.CharField(max_length=200)
6
```

```
mysite > settings.py > ...
32
33  INSTALLED_APPS = [
34      'django.contrib.admin',
35      'django.contrib.auth',
36      'django.contrib.contenttypes',
37      'django.contrib.sessions',
38      'django.contrib.messages',
39      'django.contrib.staticfiles',
40      'myapp'
41  ]
```

```
• (venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django\project> python manage.py makemigrations myapp
Migrations for 'myapp':
  myapp\migrations\0001_initial.py
    - Create model Project
```

```
python manage.py migrate myapp
```

## otro modelo con foreign key

```
myapp > models.py > ...
6
7  class Task(models.Model):
8      title = models.CharField(max_length=200)
9      description = models.TextField()
10     project = models.ForeignKey(Project, on_delete=models.CASCADE)
11
```

```
python manage.py makemigrations
```

```
• (venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django\project> python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, myapp, sessions
Running migrations:
  Applying myapp.0002_task... OK
```

```
python manage.py migrate
```

## Django Shell

```
(venv) PS C:\Users\Juan Felipe\OneDrive\Escritorio\django\project> python manage.py shell
Python 3.11.4 (tags/v3.11.4:d2340ef, Jun 7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
(InteractiveConsole)
>>> 
```

```
>>> from myapp.models import Project, Task
>>> p=Project(name="aplicacion movil")
>>> p
<Project: Project object (None)>
>>> p.save()
>>> p=Project(name="aplicacion web con Django")
>>> p.save()
>>> 
```

```
>>> Project.objects.all()
<QuerySet [<Project: Project object (1)>, <Project: Project object (2)>]>
>>> Project.objects.get(id=1)
<Project: Project object (1)>
>>> Project.objects.get(name="aplicacion movil")
<Project: Project object (1)>
>>> 
```

## params

```
myapp > urls.py > ...
4 from . import views #asi es ahora
5
6 urlpatterns = [
7     path('', hello),
8     path('about/', views.about),
9     path('hello/<str:username>', views.hello),
10 ]
```

```
myapp > views.py > about
4
5 # Create your views here.
6 def hello(request, username):
7     print(username)
8     return HttpResponse("Hello World !!!")
9
```

```
# Create your views here.
def hello(request, username):
    print(username)
    return HttpResponse("Hello %s" % username)
```

## Panel de Administrador

```
python manage.py createsuperuser
```