

www.djangoproject.com

editor : ATOM

PYTHON :

① python3 --version

New folder on desktop as Django-exercise

② Go to www.djangoproject.com

→ download

pip install Django ←

③ django-admin startproject helloworld

→ project name

→ new folder is created named "helloworld"

→ drag and drop in ATOM editor

→ python3 manage.py runserver ←

sqlite file is created

new ip address is created paste it on chrome and run

Understanding File Structure: —

□ helloworld

✓ □ helloworld

> □ —pycache—

—init—.py

settings.py : django project secret key

urls.py

wsgi.py

□ 'DS-store

□ db.sqlite3

selm. □ manage.py

Settings.py

INSTALLED_APPS =

'django.contrib.admin',

// any new apps like youtube

MIDDLEWARE =

// for extra functionality facebook login

DATABASE =

'db.sqlite3')

AUTH_PASSWORD_VALIDATORS =

STATIC_URL = '/static/'

urls.py

first file is used as hit as request, where users needs to go.

from django.contrib import admin

from django.urls import path

```
urlpatterns = [  
    path = ('admin/', admin.site.urls),  
]
```

wsgi.py

web service interface file

enable wsgi compatible web servers to serve your project.

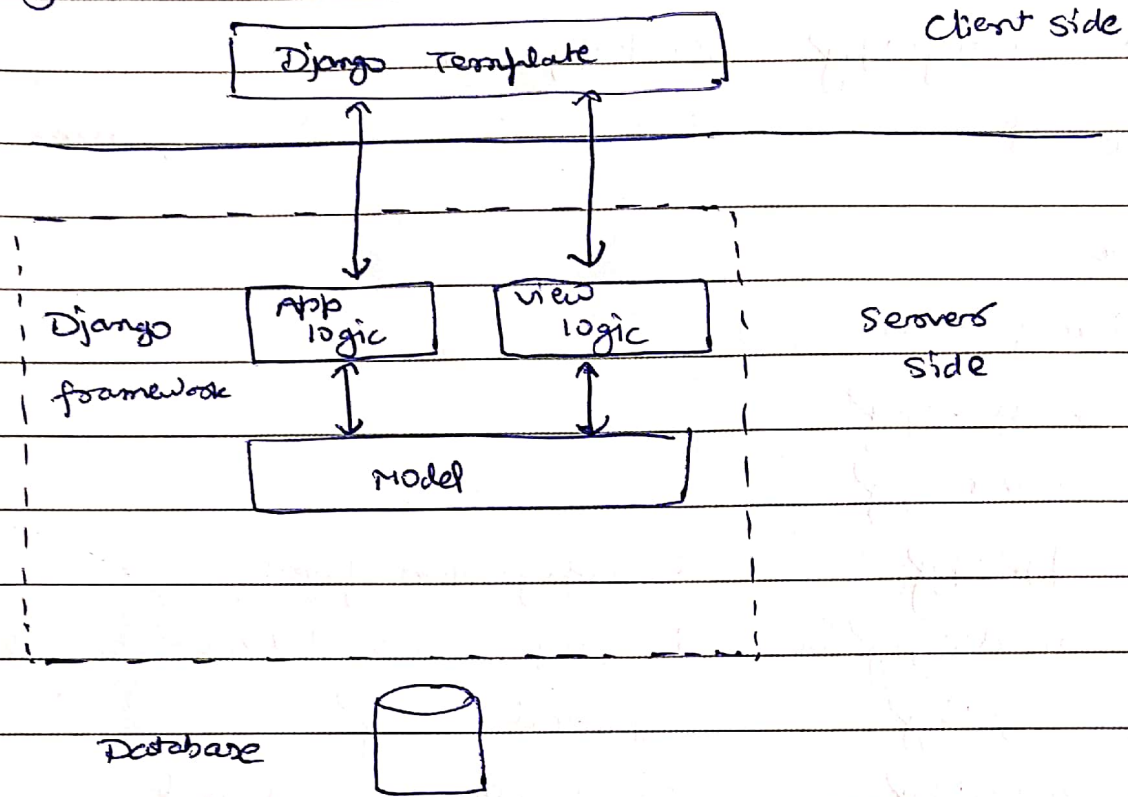
db.sqlite3

database created when you run migrate command

manage.py

A command-line utility for executing Django commands from within your project.

Django Architecture: -



Project 1

① create an app

inside helloworld project

```
python3 manage.py startapp hola
```

□ helloworld

□ hola

> □ migrations

-init-.py

admin.py

apps.py

: configuration file

models.py

: define our database model

tests.py

: for unit testing

views.py

: handle request and response logic

② Configuring an app
admin.py

③ helloworld → settings.py

```
INSTALLED_APPS = [
```

```
    'hola',
```

// our app name

```
]
```

③ hola → views.py

```
from django.shortcuts import render
from django django.http import HttpResponse
def homePageView(request):
    return HttpResponse ('Hola means Hello in Spanish')
```

c) create new file under hola folder. `usr1.py`
copy `helloword` → `usr1.py` to `hola` → `usr1.py`

(D) $hola \rightarrow \text{urls.py}$
from django.urls import path
(~~to~~) from . import views

```
urlpatterns = [
    path(' ', views . homePageView, name = 'home'),
]
```

file name function name

(E) Include ~~and~~ our hole vol's by into hollowold \rightarrow vol's by

url.h form django.conf.urls import include
 path('admin/', admin.site.urls),
 path('', include('hola.urls')),
 if include is not defined error

(F) Run server :

python3 manage.py runserver ↩

copy IP address into chrome

O/p

hola means hello in spanish