To start the project we need to make sure that 1. Virtual environment is activated and 2. We are in the correct project folder.

1. Go to the initial folder – in CMD type -> cd path
2. Activate virtual environment – in CMD type -> twenv\Scripts\activate
3. Go to the django-project folder – in CMD type -> cd django-project

This is our workspace.

Everything we are going to do with Django project would be inside this folder.

1. Start the project and then the project name – in CMD type -> django-admin startproject teamwork
2. Now you will see the folder “teamwork” inside “django-project” and you will have several files inside of it.
3. Project Structure explained below;

Main “teamwork” folder is our project, the one inside it named also “teamwork” is our App, which is our main project folder. There are several files which will be only present inside this folder.

The first file is **“\_init\_”** which is not really useful for you at any point of time soon. We basically don't touch this file.

The next one is **“settings.py”.**

It is one of the most important file to our project.

We are not going to edit this file much but this file controls our whole project. Here you will find base directory(BAE\_DIR), which helps us to connect all the files in our project.

Next is SECURITY\_KEY, which is kept as a secret by a project administrator to keep our project secure. So whenever we share our codes with anyone else, we usually hide the security key or remove it. And this key is really important for protection.

Next is DEBUG: whenever we are working on a project we turn it as true but whenever you host a project or deploy our project we turn it as false.

Next is ALLOWED\_HOSTS: that is all the domains on which our project is going to work.

Next is INSTALLED\_APPS: This is really important. As we know, Django is divided into different apps. Each section that we are going to work with, will be divided into apps (don't think about these apps as Android or iOS app). These apps are basically Django features that we are debating.

Next important thing that you should take care of is WSGI\_APPLICATION. This is usually used when we are going to deploy our project into our server.

Then we have something related to DATABASES - we are going to use SQLite3 for our project. But if I want to use mySQL or POSTGRE, you need to change and configure them here.

We also have all different things related to authentication, timezone, language and other things, so that we can control our whole project through this file.

The next one is **“urls.py”** , which basically controls all the routing that is done by our project.

Then we have **“wsgi.py“** file, which is used when we are going to deploy our project and that's it for our project folder.

Next is **”manage.py”.**

So this file is basically used to control and run our server.

So even if we are working on our local server or online server this file is going to remain the same. And we are not going to edit anything in it.

1. Go to “teamwork” folder – in CMD type -> cd teamwork
2. Run our project – in CMD type -> python manage.py runserver
3. Here you can see that your server is ready.
4. Open the server in <http://127.0.0.1:8000/>
5. Now if we open our command line we will see the notification about unapplied migrations

So what is this migration. Migration is related to our database. When we run our application for the first time or whenever we edit anything with our database, we are going to get this message. And currently there are 18 unemployed migrations. That means there are 18 different changes to my database. So, let’s stop it by typing ctl + c

1. Stop – in CMD type -> ctrl + c

And now you can see that the app is stopped.

1. Convert our queries and Actually apply the queries – in CMD type -> python manage.py migrate
2. Run the server again – in CMD type -> python manage.py runserver

Now we will not get the notification anymore