# Setup

* Check if Django is there

in terminal: 'python -m Django --version'

* Starting a project

in terminal: 'django-admin startproject mysite'

* We will receive following structure

A close-up of a computer code

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* + Mysite/ - is a container folder for the project. Its name doesn’t matter to Django. We can rename it to anything we like.
  + Manage.py – command-line utility that lets us interact with this Django project in various ways
  + Mysite/ - is the actual Python package for the project. Its name is the Python package name we need to use to import anything what’s inside, e.g. mysite.urls. If we named our project in ‘django-admin startptoject new\_project’ this folder will be named new\_project.
  + Mysite/\_\_init\_\_.py – empty file that tells python that this directory should be considered as Python package. More about packages - <https://docs.python.org/3/tutorial/modules.html#tut-packages>
  + Mysite/settings.py – settings for the project, More about settings https://docs.djangoproject.com/en/5.0/topics/settings/
  + Mysite/urls.py – urls for our project or to be simples table of contents of our project. More about urls <https://docs.djangoproject.com/en/5.0/topics/http/urls/>
  + Mysite/asgi.py – asgi entry-point for connecting with python or asgi-compatible web servers
  + Mysite/wsgi.py – wsgi entry-point for connecting with python or wsgi-compatible web servers
* Run app

Be aware that we have 2 mysite projects, outer and inner. Go to the outer by ‘cd mysite’ and run ‘python manage.py runserver’ this will run app on localhost. Remember that this is only for development purposes, so don’t use it on production environment. Django is for web framework not a web server

* Change port or IP

We can change port and IP of the localhost. We can change IP so other computers IN OUR NETWORK will be able to see the app as well <https://docs.djangoproject.com/en/5.0/intro/tutorial01/>

* Project vs App

A project is a collective of smaller apps. App is some solution for problem, e.g. blog posting or chat. Multiple apps can be in one project and an app can be in multiple projects.

* Start an app

Go to dir where manage.py is located and run ‘python manage.py startapp app\_name’. This will create below structure:

A screenshot of a computer program

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* Write the first view

Go to views.py and write ‘from Django.http import HttpResponse’ and below create a function

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This is the simplest view. Now to call the view we need to map this view with the url

* Url mapping
  + In app directory create a file ‘urls.py’ it’s URLconf
  + In polls/urls.py add ‘path(“”, views.index, name = ‘index’)’ that put our view in index page

A screen shot of a computer

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* + Then in mysite/ursl.py connect with URLconf that we’ve created to do so we need to import include as well. Include allows us to use some other url configurations in this situation URLconf from our polls app
  + In mysite.urls.py add this line ‘path(‘polls’, include(‘polls.urls’)
* See polls page

To see that page go to localhost../polls . don’t forget to add /polls its crucial because we linked our page in that url not root.

A screenshot of a computer screen

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* Path() araguments –