

# Django

[djangoproject.com](https://www.djangoproject.com)

Installing latest version

```
pip install Django==2.0.3
```

```
django-admin startproject mysite
```

```
mysite/  
  manage.py  
  mysite/  
    __init__.py  
    settings.py  
    urls.py  
    wsgi.py
```

files

**manage.py** cmd line util., lets you interact w/ project

inner **mysite/** python pkg for project — use to import anything inside **mysite.urls**

**init.py** ⇒ python pkg

**mysite/settings.py** configuration

**mysite/urls.py** "Table of Contents"

**mysite/wsgi.py** entry-point for WSGI-compatible servers to serve content

running

```
python manage.py runserver 0:8000
```

uses **Django development server** so you don't have to deal with Apache/NGINX pre-production — DON'T use in a production env

Writing first Django app

Creating the Polls app

app

web application that does something (i.e. poll, weblog, database of public records, ...)

**project** is collection of apps

can live anywhere in **Python path** — however in tut it will be top-level

```
python manage.py startapp polls
```

```
polls/views.py
```

```
from django.http import HttpResponse
```

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

```
polls/urls.py
```

```
from django.urls import path
```

```
from . import views
```

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