<https://docs.djangoproject.com/en/2.1/intro/tutorial01/>

**Installation**: $ python3 -m django --version

A basic poll application:

1. A public site that lets people view polls and vote in them.
2. An admin site that lets you add, change, and delete polls.

create the startproject: $ django-admin startproject mysite

run the startproject: $ python3 manage.py runserver <port> # port number is 8000 by default, you can pass it as a command-line argument, ike $ python3 manage.py runserver 8080.

<https://docs.djangoproject.com/en/2.1/ref/django-admin/>

**django-admin:**

1. django-admin is automatically created in each Django project.
2. If you need to switch between multiple Django settings file, use django-admin with DJANGO\_SETTINGS\_MODULE or the --settings command line option.
3. Display a list of all available commands. $ django-admin help --commands
4. manage.py does the same thing as django-admin.

create a view > map it to a URL > point the root URLconf at the polls.urls module

**path(route, view, kwargs=None, name=None)**

1. route is a string that contains a URL pattern.
   * Django starts at the first pattern in urlpatterns.
   * patterns don’t search GET and POST parameters, or the domain name.
2. view