#Request and Responses

#Creating a django project

command:
django-admin startproject mysite

Project folder structure:

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

mysite/	→	root directory - container of the project
manage.py	→	command-line utility - interact with Django project
mysite/	→	inner directory - actual Python package for your project
__init__.py	→	empty file tells Python that this directory should be considered a Python package
settings.py	→	Settings/configuration for Django project - tell how settings work
urls.py	→	URL declarations for this Django project; a "table of contents"
asgi.py	→	entry-point for ASGI-compatible web servers
wsgi.py	→	entry-point for WSGI-compatible web servers

urls.py file

path() function	- four arguments
	- two required: route and view
	- two optional: kwargs, and name

route
  - string contains url pattern
  - django search this urlpatterns while processing request
  - compare the requested URL against each pattern until it finds one that matches
  - this pattern don't search for get and post param or domain name

example:
http.../myapp/   - look for 'myapp/' urlConf

        http.../myapp/?page=2   - also look for 'myapp/' urlconf

#view
- once url pattern is matched it call the specific view function

#kwargs
- Arbitrary keyword arguments - It can be passed in dictionary form to target view

#name
- naming the url lets to refer elsewhere in django project mostly in django template or like redirecting to specific page

Ref:
https://docs.djangoproject.com/en/4.1/intro/tutorial01/