1. create directory
2. python3 -mvenv myvenv
3. pip install Django
4. <https://github.com/pypa/pip/issues/5226> use curl command to fix error when installing
5. django-admin startproject first .
6. python manage.py runserver
7. cd .. && django-admin startapp demo
8. dbsqlite is a test env db, not for prod

update models.py : class Book(models.Model):

title = models.CharField(max\_length=36)

update settings.py in ‘first’ folder to add ‘demo’ to installed apps list

1. python3 manage.py migrate

migrations – whatever you need to store in db, add to models.py, and run command #9

user admin

1. python manage.py createsuperuser
2. un = alex pw = griffin
   1. add this to demo > admin.py:
   2. from .models import Book
   3. admin.site.register(Book)