mac 에서 프로젝트 설치

01 작업할 볼륨으로 옮기기

\$ cd /Volumes/Work

02 회사 폴더 만들고 들어가기

\$ mkdir ddtech \$ cd ddtech

03 가상화경 만들고 들어가기

\$ python3 -m venv ddtenv \$ source ddtenv/bin/activate

04 프로젝트 폴더 만들고 확인하고 들어가기

(ddtenv) \$ mkdir aegis (ddtenv) \$ Is -I total 0 drwxr-xr-x 2 graywolf admin 64 1 11 13:48 aegis drwxr-xr-x 6 graywolf admin 192 1 11 13:48 ddtenv (ddtenv) \$ cd aegis

05 PIP 최신버전으로 업그레이드

(ddtenv) \$ pip install --upgrade pip Collecting pip

Using cached https://files.pythonhosted.org/packages/c2/

d7/90f34cb0d83a6c5631cf71dfe64cc1054598c843a92b400e55675cc2ac37/pip-18.1-py2.py3-none-any.whl

Installing collected packages: pip

Found existing installation: pip 10.0.1

Uninstalling pip-10.0.1:

Successfully uninstalled pip-10.0.1

Successfully installed pip-18.1

06 django 설치하기

(ddtenv) \$ pip install diango~=2.1

Collecting diango~=2.1

Using cached https://files.pythonhosted.org/packages/

36/50/078a42b4e9bedb94efd3e0278c0eb71650ed9672cdc91bd5542953bec17f/Django-2.1.5-py3-none-any.whl

Collecting pytz (from diango~=2.1)

Using cached https://files.pythonhosted.org/packages/

61/28/1d3920e4d1d50b19bc5d24398a7cd85cc7b9a75a490570d5a30c57622d34/pytz-2018.9-py2.py3-none-

any.whl

Installing collected packages: pytz, django Successfully installed django-2.1.5 pytz-2018.9

07 mysql 연결하기

(ddtenv) \$ pip install mysalclient

Collecting mysalclient

ld: library not found for -lssl

clang: error: linker command failed with exit code 1 (use -v to see invocation)

error: command 'gcc' failed with exit status 1

071 위와 같이 ssl 링크에러가 발생하면 openssl 설치

(ddtenv) \$ brew install openssl

Updating Homebrew...

==> Auto-updated Homebrew!

Updated 1 tap (homebrew/core).

==> New Formulae

cryptominisat libgusb libvirt-glib Isd needle oxipng simple-

spice-protocol scan

==> Updated Formulae

diff-pdf fltk fuseki capstone hexyl iid mu pdftoedn php pyenv

voutube-dl tor

```
clamav
           eccodes
                        fluid-synth hbase
                                                imagemagick mongodb
                                                                             opentsdb
                                                                                           pdftoipe
poppler
                         weboob
           tcpdump
Warning: openssl 1.0.2q is already installed and up-to-date
To reinstall 1.0.2q, run 'brew reinstall openssl'
072 ssl 경로 설정
(ddtenv) $ export LIBRARY_PATH=$LIBRARY_PATH:/usr/local/opt/openssl/lib/
073 mysql 연결하기
(ddtenv) $ pip install mysqlclient
Collecting mysqlclient
 Using cached https://files.pythonhosted.org/packages/f7/
a2/1230ebbb4b91f42ad6b646e59eb8855559817ad5505d81c1ca2b5a216040/mysglclient-1.3.14.tar.gz
Installing collected packages: mysqlclient
 Running setup.py install for mysqlclient ... done
Successfully installed mysqlclient-1.3.14
08 프로젝트 시작하기 (환경이 만들어짐)
(ddtenv) $ django-admin startproject config.
(ddtenv) $ tree ../aegis
../aeais

    config

          __init__.py
          settings.py
         - urls.py
         - wsgi.py
      - manage.py
1 directory, 5 files
081 config - setting 을 아래와 같이 수정
 ALLOWED_HOSTS = ['127.0.0.1', '0.0.0.0']
 DATABASES = {
   'default': {
     'ENGINE': 'django.db.backends.sqlite3',
     'NAME': os.path.join(BASE_DIR, 'db.sqlite3'),
   }
 LANGUAGE_CODE = 'ko'
 TIME_ZONE = 'Asia/Seoul'
 STATIC_URL = '/static/'
 STATIC_ROOT = os.path.join(BASE_DIR, '/static')
082 DB 를 옮긴다. (모델이 없어서 특별히 하는건 없음.)
(ddtenv) $ python manage.py migrate
083 서버를 임시로 실행해서 잘 작동하는 확인한다.
(ddtenv) $ python manage.py runserver
(ddtenv) $ python manage.py runserver 0.0.0.0:8000
09 근로자 어플리케이션을 만든다.
(ddtenv) $ python manage.py startapp employee
(ddtenv) $ tree ../aegis
../aegis
      config
          __init__.py
           __pycache__
             __init__.cpython-36.pyc
             settings.cpython-36.pyc
        settings.py
         - urls.py
         - wsgi.py
      employee
```

__init__.py

```
- admin.py
          apps.py
          migrations
             _ _init__.py
          models.py
          tests.pv
          - views.py
      manage.py
4 directories, 14 files
091 근로자 어플리케이션을 아래와 같이 등록한다. (aegis/config/setting.pv)
INSTALLED APPS = [
  'employee',
]
092 어플리케이션에 모델을 아래와 같이 추가한다. (istoaegis/configry/models.py)
from django.db import models
from django.utils import timezone
class Post(models.Model):
  author = models.ForeignKey('auth.User', on_delete=models.CASCADE)
  title = models.CharField(max_length=200)
  text = models.TextField()
  created date = models.DateTimeField(default=timezone.now)
  published date = models.DateTimeField(blank=True, null=True)
  def publish(self):
    self.published date = timezone.now()
    self.save()
  def str (self):
    return self.title
093 DB 에 테이블을 추가한다.
(ddtenv) $ python manage.py makemigrations knowledge
(ddtenv) $ python manage.py migrate knowledge
10 관리자 설정 (employee/admin.py)
from diango.contrib import admin
from .models import Post
admin.site.register(Post)
101 관리자 생성
(ddtenv) $ python manage.py createsuperuser
Username: admin
Email address: thinking@ddtechi.com
Password: p...j
Password (again): p...j
Superuser created successfully.
102 로그인
http://127.0.0.1:8000/admin/
103 관리자 추가 정보
https://docs.djangoproject.com/en/1.8/ref/contrib/admin/
11 url 설정 ( aegis/config/urls.py )
from diango.conf.urls import include, url
from django.contrib import admin
urlpatterns = [
```

```
url(r'^admin/', admin.site.urls),
  url(r'', include('knowledge.urls')),
]
111 어플리케이션 url 설정 (knowledge/urls.py)
from django.conf.urls import url
from . import views
urlpatterns = [
  url(r'\^$', views.post_list, name='post_list'),
112 url 추가 정보
https://docs.djangoproject.com/en/1.11/topics/http/urls/
12 view 만들기 (blog/views.py)
from diango.shortcuts import render
from django.utils import timezone
from .models import Post
def post_list(request):
  posts = Post.objects.filter(published_date__lte=timezone.now()).order_by('published_date')
  return render(request, 'blog/post_list.html', {})
12 HTML 만들기 (knowledge/templates/knowledge/post list.html)
<div>
  <h1><a href="/">유아이야기</a></h1>
</div>
{% for post in posts %}
  <div>
     published: {{ post.published_date }}
     <h1><a href="">{{ post.title }}</a></h1>
     {{ post.text|linebreaksbr }}
  </div>
{% endfor %}
```