Django Documentation

MTV(models, templates, views)

Part 1

startproject ProTwo

startapp AppTwo

-바로 Views 보여주기: at views.py,

from django.http import HttpResponse

def index(request):

return HttpResponse(“<em>Hello World!</em>”)

url 연결

from AppTwo import views.index

in urlpatterns,

url(r'^$', views.index, name='index'),

- templates directory settings

in settings.py, add TEMPLATES\_DIR = os.path.join(BASE\_DIR, 'templates')

then add in Templates, 'DIRS': [TEMPLATES\_DIR],

Template file (ex. Index.html) directory : /templates/AppName

- App – specific url settings / Template tag

1. in App Folder, create urls.py, and then add

*from* django.conf.urls *import* url

*from* AppTwo *import* views

urlpatterns = [

url(r'^$', views.help)

]

2. in project folder / urls.py, add

*from* django.conf.urls *import* include

and in urlpatterns, add

url(r'^help/', include('AppTwo.urls')),

3. in views.py,

*from* django.shortcuts *import* render

def help(request):

helpdict = {'help\_insert':'HELP\_PAGE'}

*return* render(request, 'AppTwo/help.html', context=helpdict)

4. in templates/AppTwo/help.html

{{ help\_insert }}

– static files

1. in project directory, create /static/css, /static/images

in settings.py,

STATIC\_DIR = os.path.join(BASE\_DIR, "static")

at bottom,

STATIC\_URL = '/static/' *#* *클라이언트 사이드에서 static files 확인할 수 있는 directory*

STATICFILES\_DIRS = [

STATIC\_DIR,

]

2. in html,

<!DOCTYPE html>

{% *load* staticfiles %}

in case of image, <img src=”{% static ‘images/hello.jpg’ %}” />

in case of css, <link rel="stylesheet" href="{% static 'css/style.css' %}">

Part 2

– Create Database, and test

1. in first\_app/models.py,

*from* django.db *import* models

class Topic(models.Model):

top\_name = models.CharField(max\_length=264, unique=True)

def \_\_str\_\_(self):

*return* *self*.top\_name

class Webpage(models.Model):

topic = models.ForeignKey(Topic)

name = models.CharField(max\_length=264, unique=True)

url = models.URLField(unique=True)

def \_\_str\_\_(self):

*return* *self*.name

class AccessRecord(models.Model):

name = models.ForeignKey(Webpage)

date = models.DateField()

def \_\_str\_\_(self):

*return* str(*self*.date)

2. After filling in models.py,

python manage.py migrate

python manage.py makemigrations

python manage.py migrate

3. How to test database

a) in shell command

python manage.py shell

from first\_app.models import Topic

print(Topic.objects.all()) => returns current QuerySet

t = Topic(top\_name=”Social Network”)

t.save()

b) by admin

- how to register database to admin site

in first\_app/admins.py

*from* models *import* AccessRecord, Topic, Webpage

*#* *Register your models here.*

admin.site.register(AccessRecord)

admin.site.register(Topic)

admin.site.register(Webpage)

- create superuser

python manage.py createsuperuser