**教學網址:** **https://docs.djangoproject.com/en/2.0/intro**

**Part1**

sudo apt-get update

sudo apt-get install python3-pip

python --version

python3 --version

pip3 install --upgrade pip

pip3 install --upgrade pip

pip3 --version

mkdir myproject

cd myproject

pip3 install virtualenv

sudo pip3 install virtualenv

virtualenv VENV

source VENV/bin/activate

pip --version

pip install django

python

import django

按ctrl+z

django-admin startproject mysite

python manage.py runserver

cd mysite

python manage.py runserver

跑出網址127.0.0.1:8000 看到火箭

按ctrl+c離開

python manage.py startapp polls

在polls/views.py裡面

from django.http import HttpResponse

def index(request):

return HttpResponse("Hello, world. You're at the polls index.")

**\*記得要按儲存(save)**

**在polls裡新增一個urls.py**

在polls/urls.py裡面

from django.urls import path

from . import views

urlpatterns = [

path('', views.index, name='index'),

]

在mysite/urls.py裡面

from django.urls import include, path

from django.contrib import admin

urlpatterns = [

path('polls/', include('polls.urls')),

path('admin/', admin.site.urls),

python manage.py runserver

]

python manage.py runserver

在火箭畫面按enter 出現畫面是error 在網址後面加/polls

**Prat2**

在polls/models.py刪除原本增加

from django.db import models

class Question(models.Model):

question\_text = models.CharField(max\_length=200)

pub\_date = models.DateTimeField('date published')

class Choice(models.Model):

question = models.ForeignKey(Question, on\_delete=models.CASCADE)

choice\_text = models.CharField(max\_length=200)

votes = models.IntegerField(default=0)

'polls.apps.PollsConfig',文字貼在mysite/setting.py

如下:

INSTALLED\_APPS = [

'polls.apps.PollsConfig',

'django.contrib.admin',

'django.contrib.auth',

'django.contrib.contenttypes',

'django.contrib.sessions',

'django.contrib.messages',

'django.contrib.staticfiles',

按ctrl+c

python manage.py makemigrations

python manage.py migrate

python manage.py shell

from polls.models import Question, Choice

Question.objects.all()

from django.utils import timezone

q = Question(question\_text="What's new?", pub\_date=timezone.now())

q.save()

q.id

q.question\_text

q.pub\_date

q.question\_text = "What's up?"

q.save()

Question.objects.all()

Question.objects.all()[0]

Question.objects.all()[0].value

Question.objects.all()[0].question\_text

在polls/models.py裡**新增**code(在question的下面)

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

return self.question\_text

在polls/models.py裡**新增**code(在choice的下面)

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

return self.choice\_text

在polls/models.py裡的最上面一行刪除加入

import datetime

from django.db import models

from django.utils import timezone

在polls/models.py裡**新增**code(在question的下面)

def was\_published\_recently(self):

return self.pub\_date >= timezone.now() - datetime.timedelta(days=1)

按ctrl+z離開

python manage.py makemigrations

python manage.py migrate

python manage.py shell

from polls.models import Question, Choice

Question.objects.all()

Question.objects.filter(id=1)

Question.objects.filter(question\_text\_\_startswith='What')

from django.utils import timezone

current\_year = timezone.now().year

Question.objects.get(pub\_date\_\_year=current\_year)

Question.objects.get(id=2)

Question.objects.get(pk=1)

q = Question.objects.get(pk=1)

q.was\_published\_recently()

q = Question.objects.get(pk=1)

q.choice\_set.all()

q.choice\_set.create(choice\_text='Not much', votes=0)

q.choice\_set.create(choice\_text='The sky', votes=0)

c = q.choice\_set.create(choice\_text='Just hacking again', votes=0)

c.question

q.choice\_set.all()

q.choice\_set.count()

Choice.objects.filter(question\_\_pub\_date\_\_year=current\_year)

c = q.choice\_set.filter(choice\_text\_\_startswith='Just hacking')

c.delete()

q.choice\_set.count()

q.choice\_set.all()

python manage.py createsuperuser

(出現錯誤是正常)

按ctrl+z先跳開

python manage.py createsuperuser

直接按enter

Email也是按enter

輸入自己的密碼(這是一個新創的密碼 不要小於8個字)

再輸入一次

python manage.py runserver

刪除polls加上admin

輸入帳號密碼(密碼就是剛剛新創的密碼)

在polls/admin.py裡刪掉原本的加入

from django.contrib import admin

from .models import Question

admin.site.register(Question)

讓網頁重新整理會出現question

**part3**

在polls/views.py裡面往下貼，**不要刪**

**def** detail(request, question\_id):

**return** HttpResponse("You're looking at question **%s**." % question\_id)

**def** results(request, question\_id):

response = "You're looking at the results of question **%s**."

**return** HttpResponse(response % question\_id)

**def** vote(request, question\_id):

**return** HttpResponse("You're voting on question **%s**." % question\_id)

在polls/urls.py裡面刪掉貼上

**from** **django.urls** **import** path

**from** **.** **import** views

urlpatterns = [

*# ex: /polls/*

path('', views.index, name='index'),

*# ex: /polls/5/*

path('<int:question\_id>/', views.detail, name='detail'),

*# ex: /polls/5/results/*

path('<int:question\_id>/results/', views.results, name='results'),

*# ex: /polls/5/vote/*

path('<int:question\_id>/vote/', views.vote, name='vote'),

]

在polls/views.py刪除

from django.http import HttpResponse

def index(request):

return HttpResponse("Hello, world. You're at the polls index.")

新增:

**from** **django.http** **import** HttpResponse

**from** **.models** **import** Question

**def** index(request):

latest\_question\_list = Question.objects.order\_by('-pub\_date')[:5]

output = ', '.join([q.question\_text **for** q **in** latest\_question\_list])

**return** HttpResponse(output)

在polls裡新增一個資料夾 templates(切記是資料夾new folder)

在templates裡新增一個polls(資料夾new folder)

然後在polls裡新增一個index.html，加入

{% **if** latest\_question\_list %}

<**ul**>

{% **for** question **in** latest\_question\_list %}

<**li**><**a** href="/polls/{{ question.id }}/">{{ question.question\_text }}</**a**></**li**>

{% **endfor** %}

</**ul**>

{% **else** %}

<**p**>No polls are available.</**p**>

{% **endif** %}

在polls/views.py刪除

from django.http import HttpResponse

from .models import Question

新增:

from django.http import HttpResponse

from django.template import loader

from .models import Question

在polls/views.py刪除

**def** index(request):

latest\_question\_list = Question.objects.order\_by('-pub\_date')[:5]

output = ', '.join([q.question\_text **for** q **in** latest\_question\_list])

**return** HttpResponse(output)

新增

**def** index(request):

latest\_question\_list = Question.objects.order\_by('-pub\_date')[:5]

template = loader.get\_template('polls/index.html')

context = {

'latest\_question\_list': latest\_question\_list,

}

**return** HttpResponse(template.render(context, request))