Django 学习笔记



for my dear wifi.

Rails Chen 2014年12月

Django app,part 1

1.1 Django 之 helloworld

1.查看Django版本

python -c "import django; print(django.get_version())"

```
→ mysite python -c "import django; print(django.get_version())"
1.7.1
→ mysite
```

2.新建project

django-admin.py startproject mysite

自动生成如下文件:

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

3.配置MySQL数据库(数据库模块配置参考上一篇文章)

修改setting.py文件,以下是MySQL配置

4.初始化数据(可选择运行)

python manage.py migrate

```
→ mysite python manage.py migrate
Operations to perform:
   Apply all migrations: admin, contenttypes, auth, sessions
Running migrations:
   Applying contenttypes.0001_initial... OK
   Applying auth.0001_initial... OK
   Applying admin.0001_initial... OK
   Applying sessions.0001_initial... OK
```

5.部署工程,启动服务

python manage.py runserver

```
→ mysite python manage.py runserver
Performing system checks...

System check identified no issues (0 silenced).

December 14, 2014 - 15:46:33

Django version 1.7.1, using settings 'mysite.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CONTROL-C.
```

访问: http://127.0.0.1:8000/, 成功!

It worked!

Congratulations on your first Django-powered page.

Of course, you haven't actually done any work yet. Next, start your first app by running gython manage.gy startage [app_label].

You're seeing this message because you have passe = zase in your Django settings file and you haven't configured any URLs. Get to work!

其他启动方式,端口与IP可选:

python manage.py runserver 8080

或

python manage.py runserver 0.0.0.0:8000

1.2 Django之创建 Models

1.进入与manage.py同一路径下:

执行: python manage.py startapp polls

创建以下文件:

```
polls/
__init__.py
admin.py
migrations/
__init__.py
models.py
tests.py
views.py
```

2.编辑polls/models.py, 建立数据模型 Question and Choice。

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)
    choice_text = models.CharField(max_length=200)
    votes = models.IntegerField(default=0)
```

```
models.py (~/progf
from django.db import models

models.py (~/progf

from django.db import models

models.py (~/progf

from django.db import models

models.Model):

guestion = models.Nodel):

guestion = models.Model):

guestion = models.ForeignKey(Question)

choice_text = models.CharField(max_length=200)

votes = models.IntegerField(default=0)
```

3. 接下来,告诉这个工程我们创建了一个模型。修改mysite/settings.py 文件, 在INSTALLED_APPS 配置中加入 'polls'.

```
31
32 INSTALLED_APPS = (
33 'django.contrib.admin',
34 'django.contrib.auth',
35 'django.contrib.contenttypes',
36 'django.contrib.sessions',
37 'django.contrib.messages',
38 'django.contrib.staticfiles',
39 'polls',
40 )
41
```

执行命令: python manage.py makemigrations polls

4.提交到MySQL数据库中:

python manage.py sqlmigrate polls 0001

```
→ mysite python manage.py sqlmigrate polls 0001
BEGIN;
CREATE TABLE `polls_choice` (`id` integer AUTO_INCREMENT NOT NULL PRIMARY KEY, `choice_text` varchar(200) NOT NULL, `votes` integer NOT NULL);
CREATE TABLE `polls_question` (`id` integer AUTO_INCREMENT NOT NULL PRIMARY KEY, `question_text` varchar(200) NOT NULL, `pub_date` datetime NOT NULL);
ALTER TABLE `polls_choice` ADD COLUMN `question_id` integer NOT NULL;
ALTER TABLE `polls_choice` ALTER COLUMN `question_id` DROP DEFAULT;
CREATE INDEX polls_choice_7aa0f6ee ON `polls_choice` (`question_id`);
ALTER TABLE `polls_choice` ADD CONSTRAINT `polls_choice_question_id_246c99a640fb bd72_fk_polls_question_id` FOREIGN KEY (`question_id`) REFERENCES `polls_question` (`id`);
COMMIT;
→ mysite
```

提交: python manage.py migrate

```
→ mysite python manage.py migrate
Operations to perform:
Apply all migrations: admin, contenttypes, polls, auth, sessions
Running migrations:
Applying polls.0001_initial... OK
→ mysite
```

在MySQL中生成两张表:

