day03 用户认证

内容回顾&补充

- 虚拟环境 virtualenv (每个项目创建独立虚拟环境)
- requirements.txt (pip freeze > requirements.txt)
- local_settings.py
- gitignore
- 腾讯云短信 / 阿里云短信 (阅读文档,文档不清晰:谷歌、必应、搜狗)
 - API,提供URL你去访问这些URL并根据提示传参数。【所有第三方工具都有】

```
requests.get("http://www.xxx.com//adsf/asdf/",json={.....})
```

o SDK, 模块; 下载安装模块, 基于模块完成功能。

```
sms.py
   def func():
       return requests.get("http://www.xxx.com//adsf/asdf/",json=
{.....})
```

```
pip install sms
```

```
sms.func()
```

- redis,帮助我们在内存可以存取数据的软件(基于内存的数据库)
 - 。 第一步: 在A主机安装redis & 配置 & 启动
 - o 第二步:链接redis
 - 方式一:利用redis提供的客户端。
 - 方式二:利用相关模块。
 - 安装模块

```
pip3 install redis
```

■ 使用模块【不推荐直接连接】

```
import redis

conn = redis.Redis(host='10.211.55.28', port=6379,
password='foobared', encoding='utf-8')

conn.set('15131255089', 9999, ex=10)

value = conn.get('15131255089')

print(value)
```

■ 使用模块【推荐连接池】

```
import redis
# 创建redis连接池 (默认连接池最大连接数 2**31=2147483648)
pool = redis.ConnectionPool(host='10.211.55.28', port=6379, password='foobared', encoding='utf-8', max_connections=1000)

# 去连接池中获取一个连接
conn = redis.Redis(connection_pool=pool)
# 设置键值: 15131255089="9999" 且超时时间为10秒(值写入到redis时会自动转字符串)
conn.set('name', "武沛齐", ex=10)
# 根据键获取值: 如果存在获取值(获取到的是字节类型); 不存在则返回None value = conn.get('name')
print(value)
```

• django-redis, 在django中"方便的"使用redis。

```
不方便: redis模块 + 连接池
方便: django-redis
```

○ 安装: django-redis

```
pip3 install django-redis
```

○ 使用

```
# 配置文件 settings.py (建议local_settings.py)

CACHES = {
    "default": {
        "BACKEND": "django_redis.cache.RedisCache",
        "LOCATION": "redis://10.211.55.28:6379", # 安装redis的主机的 IP

和 端口
    "OPTIONS": {
        "CLIENT_CLASS": "django_redis.client.DefaultClient",
```

```
"CONNECTION_POOL_KWARGS": {
                "max_connections": 1000,
                "encoding": 'utf-8'
           },
           "PASSWORD": "foobared" # redis密码
       }
    },
    "master": {
        "BACKEND": "django_redis.cache.RedisCache",
        "LOCATION": "redis://10.211.55.29:6379", # 安装redis的主机的 IP
和 端口
       "OPTIONS": {
            "CLIENT_CLASS": "django_redis.client.DefaultClient",
           "CONNECTION_POOL_KWARGS": {
                "max_connections": 1000,
                "encoding": 'utf-8'
           "PASSWORD": "foobar999ed" # redis密码
       }
   }
}
```

```
from django.shortcuts import HttpResponse

from django_redis import get_redis_connection

def index(request):
    # 去连接池中获取一个连接
    conn = get_redis_connection() # 默认去default中

conn.set('nickname', "武沛齐", ex=10)
    value = conn.get('nickname')
    print(value)
    return HttpResponse("OK")
```

今日概要

- 注册
- 短信验证码登录
- 用户名密码登录

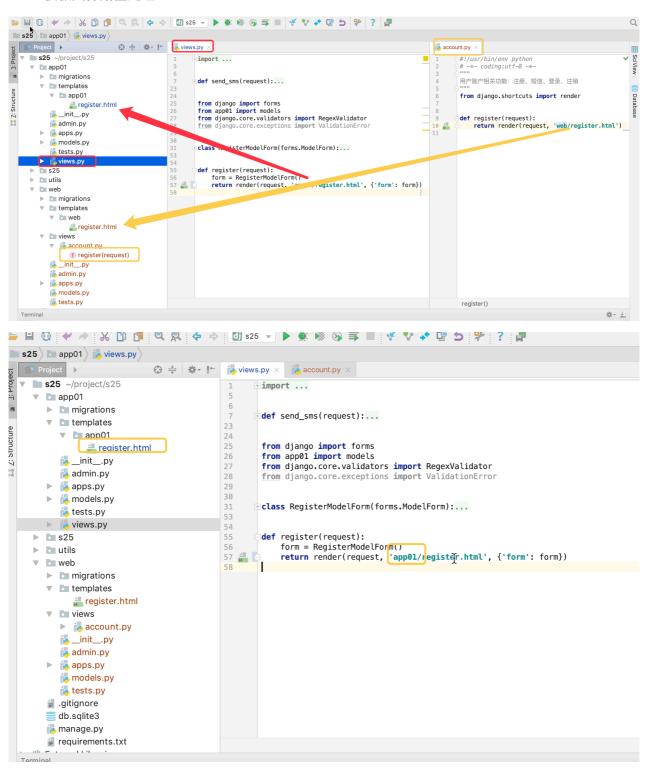
今日详细

1.实现注册

1.1 展示注册页面

1.1.1 创建web的应用 & 注册

1.1.2 模板文件路径处理



1.1.3 母板准备

```
⊕ 🖶 🔯 🗠 ⊨ basic.html ×
1: Project
   ▼ s25 ~/project/s25
                                                            {% load static %}
      ▶ □ app01
                                                            <!DOCTYPE html>
                                                            <html lang="en">
      ▶ 🖿 s25
      ▶ □ utils
                                                                 <meta charset="UTF-8">
                                                                 clities(* block title %){% endblock %}</title>
clink rel="stylesheet" href="{% static 'plugin/bootstrap/css/bootstrap.min.css' %}">
clink rel="stylesheet" href="{% static 'plugin/font-awesome/css/font-awesome.min.css' %}"></title></title>
                                                   6
         ▶ migrations
         ▼ 🖿 static
                CSS
                img
                                                  10
                                                                 {% block css %}{% endblock %}
             ▼ 🛅 js
                                                            </head>
                   jquery-3.4.1.min.js
             ▼ 🖿 plugin
                                                            <h1,>头部菜单</h1>
                bootstrap
                                                  15 OI
                                                           {% block content %}{% endblock %}
                ▶ Im font-awesome
                                                  16
          ▼ templates
                                                           <script src="{% static 'js/jquery-3.4.1.min.js' %}"></script>
<script src="{% static 'plugin/bootstrap/js/bootstrap.min.js' %}"></script>
{% block js %}{% endblock %}
             ▼ 🛅 layout
                 🚚 basic.html
                                                  19
                aregister.html
                                                  20
                                                           </body>
          ▶ I views
             a_init_.py
             admin.py
          ▶ apps.py
             ia models.py
             tests.py
          🗐 .gitignore
          db.salite3
```

Git地址: https://gitee.com/wupeiqi/s25

commit: 模板准备

1.1.4 URL准备

```
"""s25 URL Configuration
  ▼ app01
     migrations
                                          The `urlpatterns` list routes URLs to views. For more information please see:
     ▶ ■ static
                                             https://docs.djangoproject.com/en/1.11/topics/http/urls/
     ▶ templates
                                          Examples:
       🍒 __init__.py
                                          Function views
       admin.py
                                              1. Add an import: from my_app import views
2. Add a URL to urlpatterns: url(r'^$', views.home, name='home')
     ▶ ♣ apps.py
     models.py
                                         Class-based views
        🔁 tests.pv
                                  10
                                             1. Add an import: from other_app.views import Home
     urls.py
                                         2. Add a URL to urlpatterns: url(r'\$', Home.as_view(), name='home')
Including another URLconf
       views.pv
                                              1. Import the include() function: from django.conf.urls import url, include
  ▼ 🖿 s25
                                  13
       [ __init__.py
                                  14
                                              2. Add a URL to urlpatterns: url(r'^blog/', include('blog.urls'))
                                  15
16
       local_settings.py
                                          from django.conf.urls import url, include
        💪 settings.py
                                  17
                                          from django.contrib import admin
     🍒 urls.py
                                  18
                                                                     Ŧ
        🧓 wsgi.py
                                         urlpatterns = [
    url(r'^admin/', admin.site.urls),
    url(r'^app01/', include('app01.urls', namespace='app01')),
    url(r'^/', include('web.urls')),
                                  19
  ▶ 🖿 utils
                                  20
  ▼ 🖿 web
     ▶ 🖿 migrations
                                  22
23
     ▶ ■ static
     templates
     ▶ views
       🌉 __init__.py
       admin.py
     Apps.pv
       a models.py
      arls.py
       .gitignore
     db.salite3
```

Git地址: https://gitee.com/wupeiqi/s25

commit: 路由处理

1.1.5 注册页面显示

- 母版中导航
- 注册页面样式
- ModelForm放到指定目录forms

Git地址: https://gitee.com/wupeiqi/s25

commit: 注册页面显示

- 1.2 点击获取验证码
- 1.3 点击注册