# day07 功能

## 1.发布

## 1.1 小程序

- 选图片
- 填内容
- 提交

```
{
   cover: "https://mini-1251317460.cos.ap-
chengdu.mygcloud.com/08a9daei1578736867828.png",
   content:"小程序开发太简单了",
   address:"北京市",
   topic:1,
    images:[
       {
            path:"https://mini-1251317460.cos.ap-
chengdu.myqcloud.com/08a9daei1578736867828.png",
            cos_key:"08a9daei1578736867828.pn"
       },
        {
            path: "https://mini-1251317460.cos.ap-
chengdu.myqcloud.com/08a9daei1578736867828.png",
            cos_key:"08a9daei1578736867828.pn"
       },
   ]
}
```

### **1.2 API**

```
from rest_framework.generics import CreateAPIView
from rest_framework import serializers
from apps.api import models
class NewsDetailModelSerializer(serializers.Serializer):
    key = serializers.CharField()
    cos_path = serializers.CharField()

class NewsModelSerializer(serializers.ModelSerializer):
    images = NewsDetailModelSerializer(many=True)
    class Meta:
        model = models.News
        fields = "__all__"

class NewsView(CreateAPIView):
    """ 创建动态的API """
    serializer_class = NewsModelSerializer
```

## 1.3 规则

## 2.restful api回顾

## 2.1 APIView (可以)

```
from rest_framework.response import Response
class UserModelSerializer(serializers.ModelSerializer):
    class Meta:
        model = models.UserInfo
        fields = "__all__"
class UserView(APIView):
    def get(self,request,*args,**kwargs):
        user_list = models.UserInfo.objects.all()
        ser = UserModelSerializer(instance=user_list,many=True)
        return Response(ser.data)
    def post(self, request, *args, **kwargs):
        ser = UserModelSerializer(data=request.data)
        if ser.is_valid():
            # models.UserInfo.objects.create(**ser.validated_data)
            ser.save(user_id=1)
            return Response(ser.data)
        return Response(ser.errors)
```

#### 2.2 ListAPIView

ListAPIView,CreateAPIView,RetrieveAPIView,UpdateAPIView,DestroyAPIView

```
class NewTestModelSerializer(serializers.ModelSerializer):
    class Meta:
        model = models.News
        fields = "__all__"

class NewTestView(CreateAPIView,ListAPIView):
    serializer_class = NewTestModelSerializer
    queryset = models.News.objects.filter(id__gt=4)
```

#### 2.2.1 用户传递某些值

创建用户时,自己在后台生成一个UID。

```
class NewTestModelSerializer(serializers.ModelSerializer):
    class Meta:
        model = models.News
        fields = "__all__"

class NewTestView(CreateAPIView,ListAPIView):
    serializer_class = NewTestModelSerializer
    queryset = models.News.objects.filter(id__gt=4)

def perform_create(self, serializer):
    serializer.save(uid=str(uuid.uuid4()))
```

#### 2.2.2 fields和exclude的区别?

通过fields和exclude定制页面展示数据。

需求:只显示用户表的id,name,age的数据,其他不显示。

```
class NewTestModelSerializer(serializers.ModelSerializer):
    class Meta:
        model = models.News
        # fields = ["id","name",'age']
        # fields = "__all__"
        exclude = ['gender']

class NewTestView(ListAPIView):
    serializer_class = NewTestModelSerializer
    queryset = models.User.objects.all()

[
        [id:1,name:'xxx',age:18},
        [id:1,name:'xxx',age:99},
]
```

需求:数据库有5个字段,显示7个字段。

```
{id:2,name:'xxx',age:11... xx:2,x1:2},
{id:3,name:'xxx',age:99, xx:3,x1:3},
]
```

#### 2.2.3 read\_only

添加时不要,查看时候需要。

需求:编写两个接口添加(3字段)、获取列表(5个字段)

```
class NewTestModelSerializer(serializers.ModelSerializer):
    # phone = serializers.CharField(source='phone', read_only=True)
    # email = serializers.CharField(source='email',read_only=True)
    class Meta:
        model = models.News
        fields = "__all__"
        read_only_fields = ['phone','email',]
class NewTestView(CreateAPIView, ListAPIView):
    serializer class = NewTestModelSerializer
    queryset = models.User.objects.all()
添加:
    {
        name: 'xx',
        age: '19',
        gender:1
    }
获取:
    {name:'xx',age:'xx',gender:'',phone:'xx',email:xxx}
    ]
```

#### 2.3.4 复杂需求

添加时用一个serializers、列表时用一个serializers

```
class NewTestModelSerializer1(serializers.ModelSerializer):
    class Meta:
        model = models.News
        fields = "__all__"

class NewTestModelSerializer2(serializers.ModelSerializer):
    class Meta:
        model = models.News
        fields = "__all__"

class NewTestView(CreateAPIView, ListAPIView):
    queryset = models.User.objects.all()

def get_serializer_class(self):
    if self.request.method == 'POST':
        return NewTestModelSerializer1
    if self.request.method == 'GET':
        return NewTestModelSerializer2
```

#### 2.3.5 serializers嵌套

```
class CreateNewsTopicModelSerializer(serializers.Serializer):
    key = serializers.CharField()
    cos_path = serializers.CharField()
class CreateNewsModelSerializer(serializers.ModelSerializer):
    imageList = CreateNewsTopicModelSerializer(many=True)
    class Meta:
        model = models.News
        exclude = ['user', 'viewer_count', 'comment_count', "favor_count"]
    def create(self, validated_data):
        # 把imageList切走
        image_list = validated_data.pop('imageList')
        # 创建New表中的数据
        news_object = models.News.objects.create(**validated_data)
        data_list = models.NewsDetail.objects.bulk_create(
            [models.NewsDetail(**info, news=news_object) for info in image_list]
        news_object.imageList = data_list
        if news_object.topic:
            news_object.topic.count += 1
            news_object.save()
        return news_object
class NewsView(CreateAPIView):
    0.00
    发布动态
    serializer_class = CreateNewsModelSerializer
    def perform_create(self, serializer):
        # 只能保存: News表中的数据()
        # 调用serializer对象的save (先调用create)
        new_object = serializer.save(user_id=1)
        return new_object
```

## 3. 首页展示

- 小程序
  - 。 初始化
  - 。 下拉刷新
  - 。 上翻页
  - 。 瀑布流
- 后端API
  - o APIView
  - ListAPIView

- filter
- pagination

### 扩展: 分页的优化

记录最大值和最小值, 防止切片全部数据扫描的问题。

# 4.详细页面 (3点)

- 写脚本构造数据
- 最近的访客
- 一级评论

# 作业

- 1. 赞文章
- 2. 赞评论
- 3. 关注
- 4. 访问记录

进入详细页面时, 先判断用户是否已经登录。

未登录,不操作。

登录:添加到访问记录中。