

# Spatio-Frontend

API Documentation

September 24, 2013

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# 1 Package spatio\_main

## 1.1 Modules

- **api** (*Section 2, p. 3*)
- **migrations** (*Section 3, p. 12*)
- **models** (*Section 4, p. 13*)
- **tests**: This file demonstrates writing tests using the unittest module.  
(*Section 5, p. 20*)
- **views** (*Section 6, p. 24*)

## 1.2 Variables

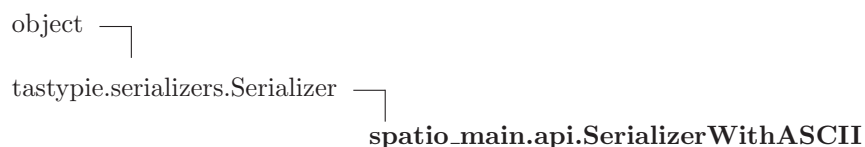
Name	Description
<code>__package__</code>	<b>Value:</b> None

## 2 Module *spatio\_main.api*

### 2.1 Variables

Name	Description
<code>api</code>	Value: <code>Api(api_name= 'v1')</code>
<code>--package--</code>	Value: <code>'spatio_main'</code>

### 2.2 Class *SerializerWithASCII*



#### 2.2.1 Methods

**`to_json(self, data, options=None)`**

Given some Python data, produces JSON output.

Overrides: `tastypie.serializers.Serializer.to_json`

#### *Inherited from `tastypie.serializers.Serializer`*

`__init__()`, `deserialize()`, `format_date()`, `format_datetime()`, `format_time()`, `from_etree()`, `from_html()`, `from_json()`, `from_plist()`, `from_xml()`, `from_yaml()`, `get_mime_for_format()`, `serialize()`, `to_etree()`, `to_html()`, `to_jsonp()`, `to_plist()`, `to_simple()`, `to_xml()`, `to_yaml()`

#### *Inherited from `object`*

`__delattr__()`, `__format__()`, `__getattr__()`, `__hash__()`, `__new__()`, `__reduce__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

#### 2.2.2 Properties

Name	Description
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

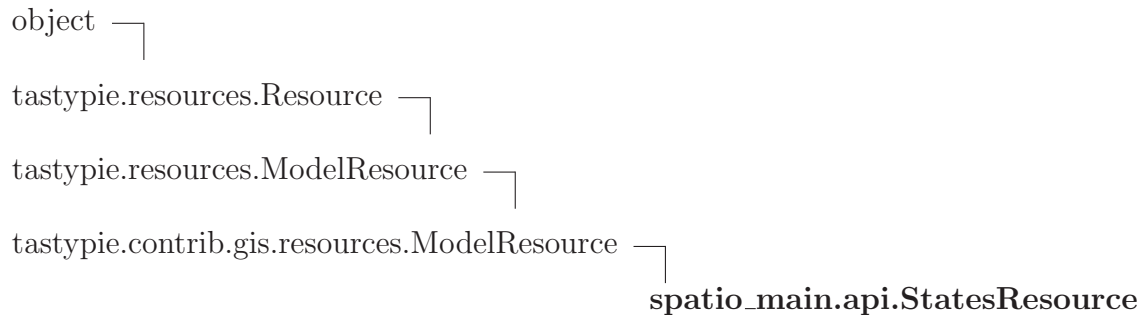
#### 2.2.3 Class Variables

Name	Description
<i>Inherited from <code>tastypie.serializers.Serializer</code></i>	

*continued on next page*

Name	Description
content_types, formats	

## 2.3 Class *StatesResource*



### 2.3.1 Methods

#### *Inherited from tastypie.contrib.gis.resources.ModelResource*

`api_field_from_django_field()`, `filter_value_to_python()`

#### *Inherited from tastypie.resources.ModelResource*

`apply_filters()`, `apply_sorting()`, `build_filters()`, `check_filtering()`, `create_identifier()`, `detail_uri_kwargs()`, `get_fields()`, `get_object_list()`, `lookup_kwargs_with_identifiers()`, `obj_create()`, `obj_delete()`, `obj_delete_list()`, `obj_delete_list_for_update()`, `obj_get()`, `obj_get_list()`, `obj_update()`, `patch_list()`, `rollback()`, `save()`, `save_m2m()`, `save_related()`, `should_skip_field()`

#### *Inherited from tastypie.resources.Resource*

`__getattr__()`, `__init__()`, `alter_deserialized_detail_data()`, `alter_deserialized_list_data()`, `alter_detail_data_to_serialize()`, `alter_list_data_to_serialize()`, `apply_authorization_limits()`, `authorized_create_detail()`, `authorized_create_list()`, `authorized_delete_detail()`, `authorized_delete_list()`, `authorized_read_detail()`, `authorized_read_list()`, `authorized_update_detail()`, `authorized_update_list()`, `base_urls()`, `build_bundle()`, `build_schema()`, `cached_obj_get()`, `cached_obj_get_list()`, `can_create()`, `can_delete()`, `can_update()`, `create_response()`, `dehydrate()`, `dehydrate_resource_uri()`, `delete_detail()`, `delete_list()`, `deserialize()`, `determine_format()`, `dispatch()`, `dispatch_detail()`, `dispatch_list()`, `error_response()`, `full_dehydrate()`, `full_hydrate()`, `generate_cache_key()`, `get_bundle_detail_data()`, `get_detail()`, `get_list()`, `get_multiple()`, `get_resource_uri()`, `get_schema()`, `get_via_uri()`, `hydrate()`, `hydrate_m2m()`, `is_authenticated()`, `is_valid()`, `log_throttled_access()`, `method_check()`, `override_urls()`, `patch_detail()`, `post_detail()`, `post_list()`, `prepend_urls()`, `put_detail()`,

`put_list()`, `remove_api_resource_names()`, `resource_uri_kwargs()`, `serialize()`, `throttle_check()`, `unauthorized_result()`, `update_in_place()`, `wrap_view()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__hash__()`, `__new__()`, `__reduce__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

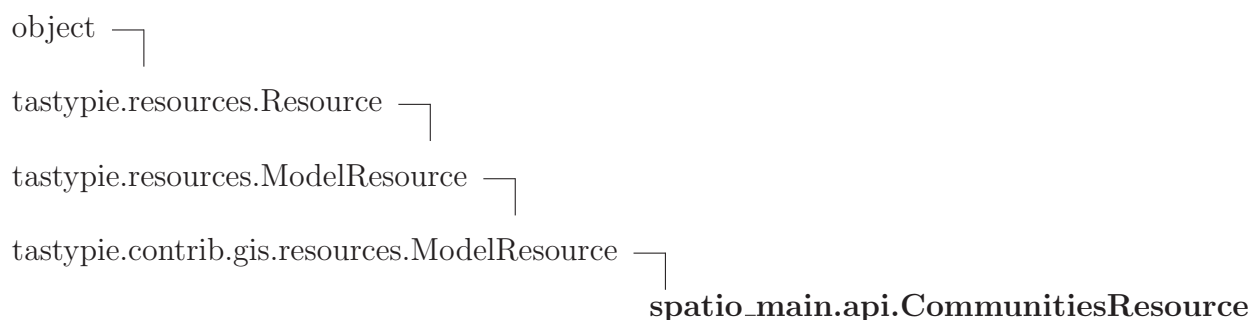
### 2.3.2 Properties

Name	Description
<i>Inherited from <code>tastypie.resources.Resource</code></i>	
<code>urls</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.3.3 Class Variables

Name	Description
<code>bbox</code>	<b>Value:</b> <code>GeometryApiField('bbox', readonly= True, null= True)</code>
<code>base_fields</code>	<b>Value:</b> <code>{'area': &lt;tastypie.contrib.gis.resources.GeometryApiField...</code>
<code>declared_fields</code>	<b>Value:</b> <code>{'bbox': &lt;tastypie.contrib.gis.resources.GeometryApiField...</code>

## 2.4 Class `CommunitiesResource`



### 2.4.1 Methods

*Inherited from `tastypie.contrib.gis.resources.ModelResource`*

api\_field\_from\_django\_field(), filter\_value\_to\_python()

### *Inherited from tastypie.resources.ModelResource*

apply\_filters(), apply\_sorting(), build\_filters(), check\_filtering(), create\_identifier(), detail\_uri\_kwargs(), get\_fields(), get\_object\_list(), lookup\_kwargs\_with\_identifiers(), obj\_create(), obj\_delete(), obj\_delete\_list(), obj\_delete\_list\_for\_update(), obj\_get(), obj\_get\_list(), obj\_update(), patch\_list(), rollback(), save(), save\_m2m(), save\_related(), should\_skip\_field()

### *Inherited from tastypie.resources.Resource*

\_\_getattr\_\_(), \_\_init\_\_(), alter\_deserialized\_detail\_data(), alter\_deserialized\_list\_data(), alter\_detail\_data\_to\_serialize(), alter\_list\_data\_to\_serialize(), apply\_authorization\_limits(), authorized\_create\_detail(), authorized\_create\_list(), authorized\_delete\_detail(), authorized\_delete\_list(), authorized\_read\_detail(), authorized\_read\_list(), authorized\_update\_detail(), authorized\_update\_list(), base\_urls(), build\_bundle(), build\_schema(), cached\_obj\_get(), cached\_obj\_get\_list(), can\_create(), can\_delete(), can\_update(), create\_response(), dehydrate(), dehydrate\_resource\_uri(), delete\_detail(), delete\_list(), deserialize(), determine\_format(), dispatch(), dispatch\_detail(), dispatch\_list(), error\_response(), full\_dehydrate(), full\_hydrate(), generate\_cache\_key(), get\_bundle\_detail\_data(), get\_detail(), get\_list(), get\_multiple(), get\_resource\_uri(), get\_schema(), get\_via\_uri(), hydrate(), hydrate\_m2m(), is\_authenticated(), is\_valid(), log\_throttled\_access(), method\_check(), override\_urls(), patch\_detail(), post\_detail(), post\_list(), prepend\_urls(), put\_detail(), put\_list(), remove\_api\_resource\_names(), resource\_uri\_kwargs(), serialize(), throttle\_check(), unauthorized\_result(), update\_in\_place(), wrap\_view()

### *Inherited from object*

\_\_delattr\_\_(), \_\_format\_\_(), \_\_getattr\_\_(), \_\_hash\_\_(), \_\_new\_\_(), \_\_reduce\_\_(), \_\_reduce\_ex\_\_(), \_\_repr\_\_(), \_\_setattr\_\_(), \_\_sizeof\_\_(), \_\_str\_\_(), \_\_subclasshook\_\_()

## 2.4.2 Properties

Name	Description
<i>Inherited from tastypie.resources.Resource</i>	
urls	
<i>Inherited from object</i>	
__class__	

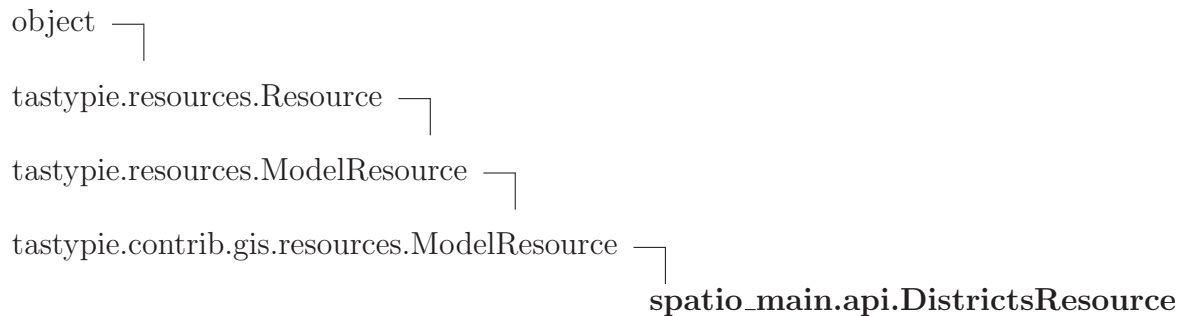
## 2.4.3 Class Variables

Name	Description
state	<b>Value:</b> ForeignKey(StatesResource, 'state')

*continued on next page*

Name	Description
base_fields	<b>Value:</b> {'area': <tastypie.contrib.gis.resources.GeometryApiField...
declared_fields	<b>Value:</b> {'state': <tastypie.fields.ForeignKey object at 0x93d982c>}

## 2.5 Class *DistrictsResource*



### 2.5.1 Methods

#### *Inherited from tastypie.contrib.gis.resources.ModelResource*

`api_field_from_django_field()`, `filter_value_to_python()`

#### *Inherited from tastypie.resources.ModelResource*

`apply_filters()`, `apply_sorting()`, `build_filters()`, `check_filtering()`, `create_identifier()`, `detail_uri_kwargs()`, `get_fields()`, `get_object_list()`, `lookup_kwargs_with_identifiers()`, `obj_create()`, `obj_delete()`, `obj_delete_list()`, `obj_delete_list_for_update()`, `obj_get()`, `obj_get_list()`, `obj_update()`, `patch_list()`, `rollback()`, `save()`, `save_m2m()`, `save_related()`, `should_skip_field()`

#### *Inherited from tastypie.resources.Resource*

`_getattr_()`, `_init_()`, `alter_deserialized_detail_data()`, `alter_deserialized_list_data()`, `alter_detail_data_to_serialize()`, `alter_list_data_to_serialize()`, `apply_authorization_limits()`, `authorized_create_detail()`, `authorized_create_list()`, `authorized_delete_detail()`, `authorized_delete_list()`, `authorized_read_detail()`, `authorized_read_list()`, `authorized_update_detail()`, `authorized_update_list()`, `base_urls()`, `build_bundle()`, `build_schema()`, `cached_obj_get()`, `cached_obj_get_list()`, `can_create()`, `can_delete()`, `can_update()`, `create_response()`, `dehydrate()`, `dehydrate_resource_uri()`, `delete_detail()`, `delete_list()`, `deserialize()`, `determine_format()`, `dispatch()`, `dispatch_detail()`, `dispatch_list()`, `error_response()`, `full_dehydrate()`, `full_hydrate()`, `generate_cache_key()`, `get_bundle_detail_data()`, `get_detail()`,



`get_list()`, `get_multiple()`, `get_resource_uri()`, `get_schema()`, `get_via_uri()`, `hydrate()`,  
`hydrate_m2m()`, `is_authenticated()`, `is_valid()`, `log_throttled_access()`, `method_check()`,  
`override_urls()`, `patch_detail()`, `post_detail()`, `post_list()`, `prepend_urls()`, `put_detail()`,  
`put_list()`, `remove_api_resource_names()`, `resource_uri_kwargs()`, `serialize()`, `throt-`  
`tle_check()`, `unauthorized_result()`, `update_in_place()`, `wrap_view()`

### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__hash__()`, `__new__()`, `__reduce__()`, `__reduce_ex__()`,  
`__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

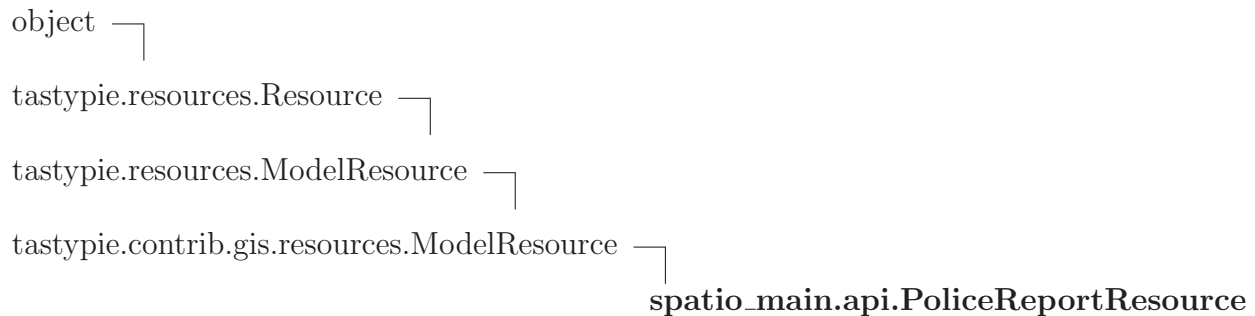
### 2.5.2 Properties

Name	Description
<i>Inherited from <code>tastypie.resources.Resource</code></i>	
<code>urls</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.5.3 Class Variables

Name	Description
<code>community</code>	<b>Value:</b> <code>ForeignKey(CommunitiesResource, 'community')</code>
<code>base_fields</code>	<b>Value:</b> <code>{'area': &lt;tastypie.contrib.gis.resources.GeometryApiField...}</code>
<code>declared_fields</code>	<b>Value:</b> <code>{'community': &lt;tastypie.fields.ForeignKey object at 0x93d...}</code>

## 2.6 Class *PoliceReportResource*



### 2.6.1 Methods

#### *Inherited from tastypie.contrib.gis.resources.ModelResource*

`api_field_from_django_field()`, `filter_value_to_python()`

#### *Inherited from tastypie.resources.ModelResource*

`apply_filters()`, `apply_sorting()`, `build_filters()`, `check_filtering()`, `create_identifier()`, `detail_uri_kwargs()`, `get_fields()`, `get_object_list()`, `lookup_kwargs_with_identifiers()`, `obj_create()`, `obj_delete()`, `obj_delete_list()`, `obj_delete_list_for_update()`, `obj_get()`, `obj_get_list()`, `obj_update()`, `patch_list()`, `rollback()`, `save()`, `save_m2m()`, `save_related()`, `should_skip_field()`

#### *Inherited from tastypie.resources.Resource*

`__getattr__()`, `__init__()`, `alter_deserialized_detail_data()`, `alter_deserialized_list_data()`, `alter_detail_data_to_serialize()`, `alter_list_data_to_serialize()`, `apply_authorization_limits()`, `authorized_create_detail()`, `authorized_create_list()`, `authorized_delete_detail()`, `authorized_delete_list()`, `authorized_read_detail()`, `authorized_read_list()`, `authorized_update_detail()`, `authorized_update_list()`, `base_urls()`, `build_bundle()`, `build_schema()`, `cached_obj_get()`, `cached_obj_get_list()`, `can_create()`, `can_delete()`, `can_update()`, `create_response()`, `dehydrate()`, `dehydrate_resource_uri()`, `delete_detail()`, `delete_list()`, `deserialize()`, `determine_format()`, `dispatch()`, `dispatch_detail()`, `dispatch_list()`, `error_response()`, `full_dehydrate()`, `full_hydrate()`, `generate_cache_key()`, `get_bundle_detail_data()`, `get_detail()`, `get_list()`, `get_multiple()`, `get_resource_uri()`, `get_schema()`, `get_via_uri()`, `hydrate()`, `hydrate_m2m()`, `is_authenticated()`, `is_valid()`, `log_throttled_access()`, `method_check()`, `override_urls()`, `patch_detail()`, `post_detail()`, `post_list()`, `prepend_urls()`, `put_detail()`, `put_list()`, `remove_api_resource_names()`, `resource_uri_kwargs()`, `serialize()`, `throttle_check()`, `unauthorized_result()`, `update_in_place()`, `wrap_view()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattribute__()`, `__hash__()`, `__new__()`, `__reduce__()`, `__reduce_ex__()`, `__repr__()`, `__setattr__()`, `__sizeof__()`, `__str__()`, `__subclasshook__()`

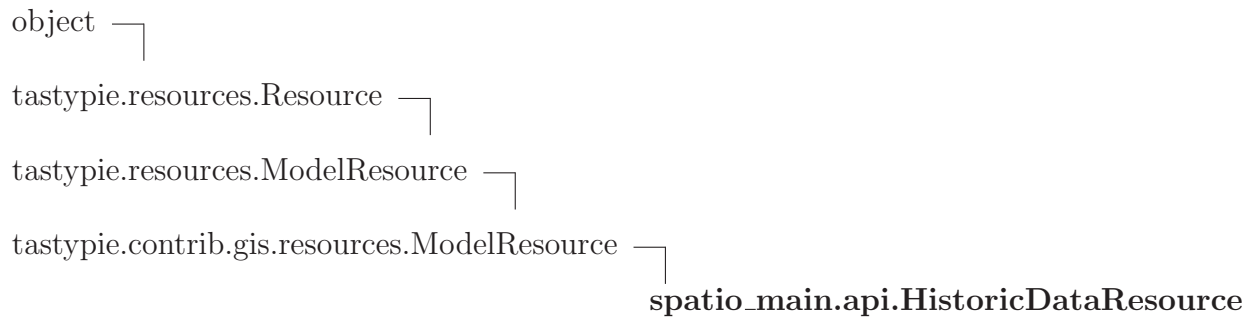
### 2.6.2 Properties

Name	Description
<i>Inherited from tastypie.resources.Resource</i>	
<code>urls</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

### 2.6.3 Class Variables

Name	Description
base_fields	<b>Value:</b> {'created_at': <tastypie.fields.DateTimeField object at 0...
<i>Inherited from tastypie.resources.Resource</i> declared_fields	

## 2.7 Class *HistoricDataResource*



### 2.7.1 Methods

*Inherited from tastypie.contrib.gis.resources.ModelResource*

api\_field\_from\_django\_field(), filter\_value\_to\_python()

*Inherited from tastypie.resources.ModelResource*

apply\_filters(), apply\_sorting(), build\_filters(), check\_filtering(), create\_identifier(), detail\_uri\_kwargs(), get\_fields(), get\_object\_list(), lookup\_kwargs\_with\_identifiers(), obj\_create(), obj\_delete(), obj\_delete\_list(), obj\_delete\_list\_for\_update(), obj\_get(), obj\_get\_list(), obj\_update(), patch\_list(), rollback(), save(), save\_m2m(), save\_related(), should\_skip\_field()

*Inherited from tastypie.resources.Resource*

\_\_getattr\_\_(), \_\_init\_\_(), alter\_deserialized\_detail\_data(), alter\_deserialized\_list\_data(), alter\_detail\_data\_to\_serialize(), alter\_list\_data\_to\_serialize(), apply\_authorization\_limits(), authorized\_create\_detail(), authorized\_create\_list(), authorized\_delete\_detail(), authorized\_delete\_list(), authorized\_read\_detail(), authorized\_read\_list(), authorized\_update\_detail(), authorized\_update\_list(), base\_urls(), build\_bundle(), build\_schema(), cached\_obj\_get(), cached\_obj\_get\_list(), can\_create(), can\_delete(), can\_update(), create\_response(), dehydrate(), dehydrate\_resource\_uri(), delete\_detail(), delete\_list(), deserialize(), determine\_format(), dispatch(), dispatch\_detail(), dispatch\_list(), error\_response(),

full\_dehydrate(), full\_hydrate(), generate\_cache\_key(), get\_bundle\_detail\_data(), get\_detail(), get\_list(), get\_multiple(), get\_resource\_uri(), get\_schema(), get\_via\_uri(), hydrate(), hydrate\_m2m(), is\_authenticated(), is\_valid(), log\_throttled\_access(), method\_check(), override\_urls(), patch\_detail(), post\_detail(), post\_list(), prepend\_urls(), put\_detail(), put\_list(), remove\_api\_resource\_names(), resource\_uri\_kwargs(), serialize(), throttle\_check(), unauthorized\_result(), update\_in\_place(), wrap\_view()

### *Inherited from object*

\_\_delattr\_\_(), \_\_format\_\_(), \_\_getattr\_\_(), \_\_hash\_\_(), \_\_new\_\_(), \_\_reduce\_\_(), \_\_reduce\_ex\_\_(), \_\_repr\_\_(), \_\_setattr\_\_(), \_\_sizeof\_\_(), \_\_str\_\_(), \_\_subclasshook\_\_()

### 2.7.2 Properties

Name	Description
<i>Inherited from tastypie.resources.Resource</i>	
urls	
<i>Inherited from object</i>	
__class__	

### 2.7.3 Class Variables

Name	Description
count	<b>Value:</b> IntegerField('crime_count')
name	<b>Value:</b> CharField('title')
base_fields	<b>Value:</b> {'count': <tastypie.fields.IntegerField object at 0x93e53...
declared_fields	<b>Value:</b> {'count': <tastypie.fields.IntegerField object at 0x93e53...

### 3 Package `spatio_main.migrations`

#### 3.1 Variables

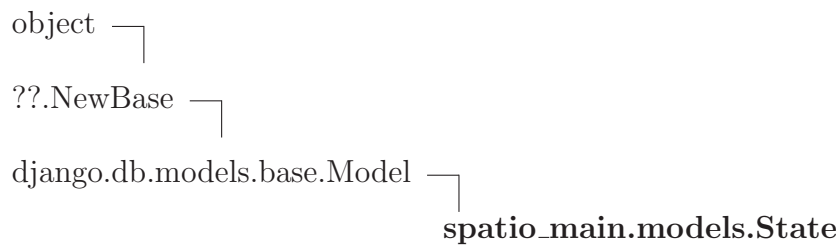
Name	Description
<code>--package--</code>	<b>Value:</b> None

## 4 Module *spatio\_main.models*

### 4.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> <code>'spatio_main'</code>

### 4.2 Class State



State(id, name, created\_at, updated\_at, area)

#### 4.2.1 Methods

`objects(...)`

`--unicode--(self)`

`get_next_by_created_at(*moreargs, **morekwargs)`

`get_next_by_updated_at(*moreargs, **morekwargs)`

`get_previous_by_created_at(*moreargs, **morekwargs)`

`get_previous_by_updated_at(*moreargs, **morekwargs)`

*Inherited from `django.db.models.base.Model`*

`--eq--()`, `--hash--()`, `--init--()`, `--ne--()`, `--reduce--()`, `--repr--()`, `--str--()`, `clean()`, `clean_fields()`, `date_error_message()`, `delete()`, `full_clean()`, `prepare_database_save()`, `save()`, `save_base()`, `serializable_value()`, `unique_error_message()`, `validate_unique()`

*Inherited from `object`*

```
__delattr__(), __format__(), __getattr__(), __new__(), __reduce_ex__(), __setattr__(),
__sizeof__(), __subclasshook__()
```

#### 4.2.2 Properties

Name	Description
<code>bbox</code>	
<code>pk</code>	<i>Inherited from <code>django.db.models.base.Model</code></i>
<code>__class__</code>	<i>Inherited from object</i>

#### 4.2.3 Class Variables

Name	Description
<code>name</code>	<b>Value:</b> <code>models.CharField(max_length= 255)</code>
<code>created_at</code>	<b>Value:</b> <code>models.DateTimeField()</code>
<code>updated_at</code>	<b>Value:</b> <code>models.DateTimeField()</code>
<code>area</code>	<b>Value:</b> <code>models.GeometryField(null= True, srid= 3785)</code>
<code>community_set</code>	<b>Value:</b> <django.db.models.fields.related.ForeignKeyRelatedObjectsDes.

### 4.3 Class Community

```

object └─
  ??NewBase └─
    django.db.models.base.Model └─
      spatio_main.models.Community

```

`Community(id, name, state_id, created_at, updated_at, area)`

#### 4.3.1 Methods

```
objects(...)
```

```
__unicode__(self)
```

```
get_next_by_created_at(*moreargs, **morekwargs)
```

```
get_next_by_updated_at(*moreargs, **morekwargs)
```

```
get_previous_by_created_at(*moreargs, **morekwargs)
```

```
get_previous_by_updated_at(*moreargs, **morekwargs)
```

### *Inherited from `django.db.models.base.Model`*

```
__eq__(), __hash__(), __init__(), __ne__(), __reduce__(), __repr__(), __str__(), clean(),
clean_fields(), date_error_message(), delete(), full_clean(), prepare_database_save(),
save(), save_base(), serializable_value(), unique_error_message(), validate_unique()
```

### *Inherited from `object`*

```
__delattr__(), __format__(), __getattr__(), __new__(), __reduce_ex__(), __setattr__(),
__sizeof__(), __subclasshook__()
```

#### 4.3.2 Properties

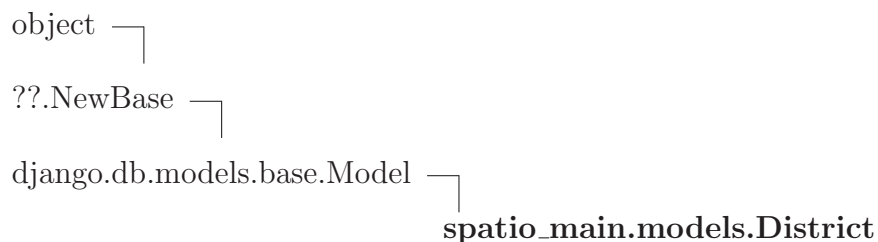
Name	Description
<i>Inherited from <code>django.db.models.base.Model</code></i>	
<code>pk</code>	
<i>Inherited from <code>object</code></i>	
<code>__class__</code>	

#### 4.3.3 Class Variables

Name	Description
<code>name</code>	<b>Value:</b> <code>models.CharField(max_length= 255)</code>
<code>state</code>	<b>Value:</b> <code>models.ForeignKey(State)</code>
<code>created_at</code>	<b>Value:</b> <code>models.DateTimeField()</code>
<code>updated_at</code>	<b>Value:</b> <code>models.DateTimeField()</code>
<code>area</code>	<b>Value:</b> <code>models.GeometryField(srid= 3785)</code>
<code>district_set</code>	<b>Value:</b> <django.db.models.fields.related.ForeignRelatedObjectsDes.



## 4.4 Class District



District(id, name, community\_id, created\_at, updated\_at, area)

### 4.4.1 Methods

**objects(...)**

**\_\_unicode\_\_(self)**

**get\_next\_by\_created\_at(\*moreargs, \*\*morekwargs)**

**get\_next\_by\_updated\_at(\*moreargs, \*\*morekwargs)**

**get\_previous\_by\_created\_at(\*moreargs, \*\*morekwargs)**

**get\_previous\_by\_updated\_at(\*moreargs, \*\*morekwargs)**

#### *Inherited from django.db.models.base.Model*

`__eq__()`, `__hash__()`, `__init__()`, `__ne__()`, `__reduce__()`, `__repr__()`, `__str__()`, `clean()`, `clean_fields()`, `date_error_message()`, `delete()`, `full_clean()`, `prepare_database_save()`, `save()`, `save_base()`, `serializable_value()`, `unique_error_message()`, `validate_unique()`

#### *Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__new__()`, `__reduce_ex__()`, `__setattr__()`, `__sizeof__()`, `__subclasshook__()`

### 4.4.2 Properties

Name	Description
<i>Inherited from django.db.models.base.Model</i>	
pk	
<i>Inherited from object</i>	

*continued on next page*

Name	Description
<code>--class--</code>	

#### 4.4.3 Class Variables

Name	Description
<code>name</code>	<b>Value:</b> <code>models.CharField(max_length= 255)</code>
<code>community</code>	<b>Value:</b> <code>models.ForeignKey(Community)</code>
<code>created_at</code>	<b>Value:</b> <code>models.DateTimeField()</code>
<code>updated_at</code>	<b>Value:</b> <code>models.DateTimeField()</code>
<code>area</code>	<b>Value:</b> <code>models.GeometryField(srid= 3785)</code>

### 4.5 Class *PoliceReport*

object └

??NewBase └

django.db.models.base.Model └ **spatio\_main.models.PoliceReport**

`PoliceReport(location, title, created_at, uuid)`

#### 4.5.1 Methods

**objects(...)**

**get\_next\_by\_created\_at(\*moreargs, \*\*morekwargs)**

**get\_previous\_by\_created\_at(\*moreargs, \*\*morekwargs)**

*Inherited from `django.db.models.base.Model`*

`--eq--()`, `--hash--()`, `--init--()`, `--ne--()`, `--reduce--()`, `--repr--()`, `--str--()`, `clean()`, `clean_fields()`, `date_error_message()`, `delete()`, `full_clean()`, `prepare_database_save()`, `save()`, `save_base()`, `serializable_value()`, `unique_error_message()`, `validate_unique()`

*Inherited from `object`*

`--delattr--()`, `--format--()`, `--getattrattribute--()`, `--new--()`, `--reduce_ex--()`, `--setattr--()`, `--sizeof--()`, `--subclasshook--()`

#### 4.5.2 Properties

Name	Description
<i>Inherited from django.db.models.base.Model</i>	
pk	
<i>Inherited from object</i>	
__class__	

#### 4.5.3 Class Variables

Name	Description
location	<b>Value:</b> <code>models.GeometryField(null= True, srid= 3785)</code>
title	<b>Value:</b> <code>models.CharField(max_length= 200)</code>
created_at	<b>Value:</b> <code>models.DateTimeField()</code>
uuid	<b>Value:</b> <code>models.CharField(max_length= 40, primary_key= True)</code>

### 4.6 Class *HistoricData*

object └

??NewBase └

django.db.models.base.Model └  
                                   **spatio\_main.models.HistoricData**

*HistoricData*(title, crime\_count, uuid)

#### 4.6.1 Methods

<b>objects(...)</b>
---------------------

*Inherited from django.db.models.base.Model*

`__eq__()`, `__hash__()`, `__init__()`, `__ne__()`, `__reduce__()`, `__repr__()`, `__str__()`, `clean()`, `clean_fields()`, `date_error_message()`, `delete()`, `full_clean()`, `prepare_database_save()`, `save()`, `save_base()`, `serializable_value()`, `unique_error_message()`, `validate_unique()`

*Inherited from object*

`__delattr__()`, `__format__()`, `__getattr__()`, `__new__()`, `__reduce_ex__()`, `__setattr__()`,  
`__sizeof__()`, `__subclasshook__()`

#### 4.6.2 Properties

Name	Description
<i>Inherited from django.db.models.base.Model</i>	
<code>pk</code>	
<i>Inherited from object</i>	
<code>__class__</code>	

#### 4.6.3 Class Variables

Name	Description
<code>title</code>	<b>Value:</b> <code>models.CharField(max_length= 500)</code>
<code>crime_count</code>	<b>Value:</b> <code>models.IntegerField()</code>
<code>uuid</code>	<b>Value:</b> <code>models.CharField(max_length= 40, primary_key= True)</code>

## 5 Module spatio\_main.tests

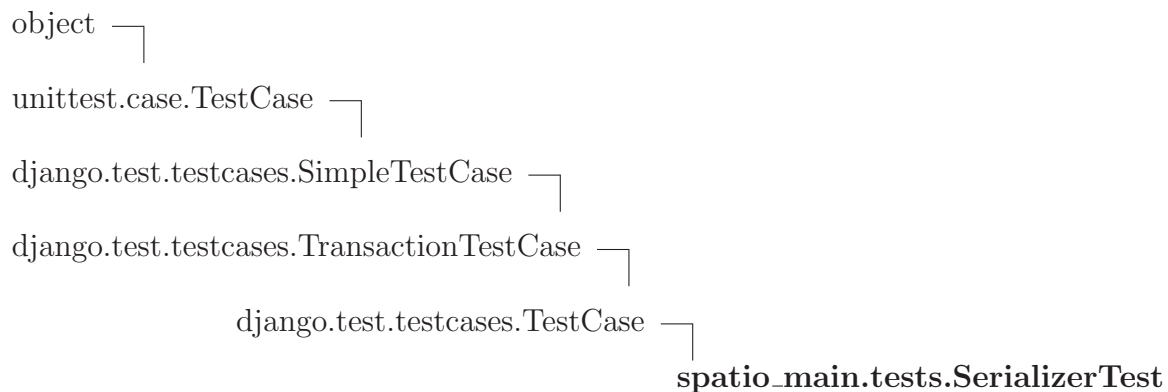
This file demonstrates writing tests using the unittest module. These will pass when you run "manage.py test".

Replace this with more appropriate tests for your application.

### 5.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> 'spatio_main'

### 5.2 Class SerializerTest



#### 5.2.1 Methods

<code>test_to_json(self)</code>
---------------------------------

*Inherited from `django.test.testcases.TransactionTestCase`*

`assertContains()`, `assertFormError()`, `assertNotContains()`, `assertNumQueries()`, `assertQuerysetEqual()`, `assertRedirects()`, `assertTemplateNotUsed()`, `assertTemplateUsed()`

*Inherited from `django.test.testcases.SimpleTestCase`*

`__call__()`, `assertFieldOutput()`, `assertHTMLEqual()`, `assertHTMLNotEqual()`, `assertInHTML()`, `assertJSONEqual()`, `assertRaisesMessage()`, `assertXMLEqual()`, `assertXMLNotEqual()`, `restore_warnings_state()`, `save_warnings_state()`, `settings()`

*Inherited from `unittest.case.TestCase`*

\_\_eq\_\_(), \_\_hash\_\_(), \_\_init\_\_(), \_\_ne\_\_(), \_\_repr\_\_(), \_\_str\_\_(), addCleanup(), addTypeEqualityFunc(), assertAlmostEqual(), assertAlmostEquals(), assertDictContainsSubset(), assertDictEqual(), assertEqual(), assertEquals(), assertFalse(), assertGreater(), assertGreaterEqual(), assertIn(), assertIs(), assertIsInstance(), assertIsNone(), assertIsNot(), assertIsNotNone(), assertItemsEqual(), assertLess(), assertLessEqual(), assertListEqual(), assertMultiLineEqual(), assertNotAlmostEqual(), assertNotAlmostEquals(), assertNotEqual(), assertNotEquals(), assertNotIn(), assertNotIsInstance(), assertNotRegexMatches(), assertRaises(), assertRaisesRegex(), assertRegexMatches(), assertSequenceEqual(), assertSetEqual(), assertTrue(), assertTupleEqual(), assert\_(), countTestCases(), debug(), defaultTestResult(), doCleanups(), fail(), failIf(), failIfAlmostEqual(), failIfEqual(), failUnless(), failUnlessAlmostEqual(), failUnlessEqual(), failUnlessRaises(), id(), run(), setUp(), setUpClass(), shortDescription(), skipTest(), tearDown(), tearDownClass()

### Inherited from object

\_\_delattr\_\_(), \_\_format\_\_(), \_\_getattr\_\_(), \_\_new\_\_(), \_\_reduce\_\_(), \_\_reduce\_ex\_\_(), \_\_setattr\_\_(), \_\_sizeof\_\_(), \_\_subclasshook\_\_()

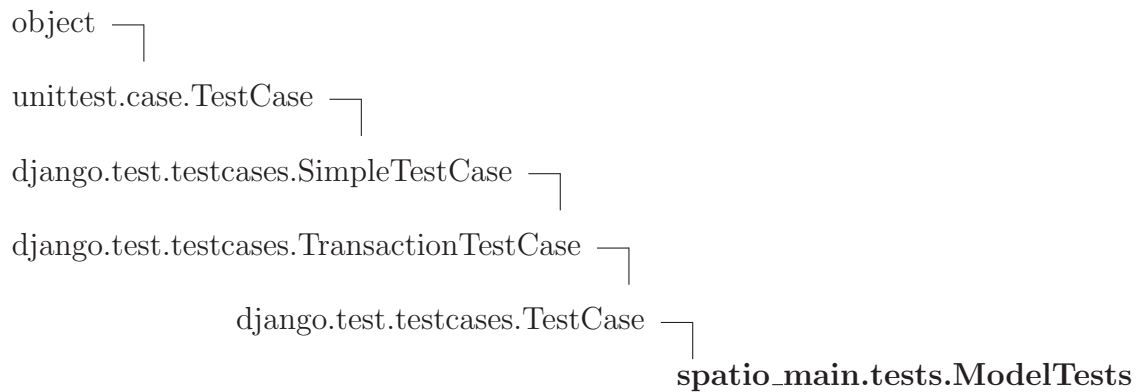
#### 5.2.2 Properties

Name	Description
<i>Inherited from object</i>	
__class__	

#### 5.2.3 Class Variables

Name	Description
<i>Inherited from django.test.testcases.TransactionTestCase</i>	
reset_sequences	
<i>Inherited from unittest.case.TestCase</i>	
longMessage, maxDiff	

### 5.3 Class *ModelTests*



#### 5.3.1 Methods

`test_district_unicode(self)`

`test_community_unicode(self)`

`test_state_unicode(self)`

`test_state_bbox(self)`

#### *Inherited from django.test.testcases.TransactionTestCase*

`assertContains()`, `assertFormError()`, `assertNotContains()`, `assertNumQueries()`, `assertQuerysetEqual()`, `assertRedirects()`, `assertTemplateNotUsed()`, `assertTemplateUsed()`

#### *Inherited from django.test.testcases.SimpleTestCase*

`__call__()`, `assertFieldOutput()`, `assertHTMLEqual()`, `assertHTMLNotEqual()`, `assertInHTML()`, `assertJSONEqual()`, `assertRaisesMessage()`, `assertXMLEqual()`, `assertXMLNotEqual()`, `restore_warnings_state()`, `save_warnings_state()`, `settings()`

#### *Inherited from unittest.case.TestCase*

`__eq__()`, `__hash__()`, `__init__()`, `__ne__()`, `__repr__()`, `__str__()`, `addCleanup()`, `addTypeEqualityFunc()`, `assertAlmostEqual()`, `assertAlmostEquals()`, `assertDictContainsSubset()`, `assertDictEqual()`, `assertEqual()`, `assertEquals()`, `assertFalse()`, `assertGreater()`, `assertGreaterEqual()`, `assertIn()`, `assertIs()`, `assertIsInstance()`, `assertIsNone()`, `assertIsNot()`, `assertIsNotNone()`, `assertItemsEqual()`, `assertLess()`, `assertLessEqual()`, `assertListEqual()`, `assertMultiLineEqual()`, `assertNotAlmostEqual()`, `assertNotAlmostEquals()`, `assertNotEqual()`, `assertNotEquals()`, `assertNotIn()`, `assertNotIsIn-`

stance(), assertNotRegexpMatches(), assertRaises(), assertRaisesRegexp(), assertRegexpMatches(), assertSequenceEqual(), assertSetEqual(), assertTrue(), assertTupleEqual(), assert\_(), countTestCases(), debug(), defaultTestResult(), doCleanups(), fail(), failIf(), failIfAlmostEqual(), failIfEqual(), failUnless(), failUnlessAlmostEqual(), failUnlessEqual(), failUnlessRaises(), id(), run(), setUp(), setUpClass(), shortDescription(), skipTest(), tearDown(), tearDownClass()

### ***Inherited from object***

\_\_delattr\_\_(), \_\_format\_\_(), \_\_getattr\_\_(), \_\_new\_\_(), \_\_reduce\_\_(), \_\_reduce\_ex\_\_(), \_\_setattr\_\_(), \_\_sizeof\_\_(), \_\_subclasshook\_\_()

### **5.3.2 Properties**

Name	Description
<i>Inherited from object</i>	
__class__	

### **5.3.3 Class Variables**

Name	Description
<i>Inherited from django.test.testcases.TransactionTestCase</i>	
reset_sequences	
<i>Inherited from unittest.case.TestCase</i>	
longMessage, maxDiff	



## 6 Module *spatio\_main.views*

### 6.1 Variables

Name	Description
<code>--package--</code>	<b>Value:</b> None

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