drf-middle

1. Version Component

2. Parser Component

3. Metaclass

- Based on the class, you can instantiate objects. Class()

- type can also create classes (default).

-Default type

class type:

def \_\_init\_\_(self):

Initial recognition of data in null value

def \_\_new\_\_(self):

Create->Create Class

Foo = type("Foo", (object,), {"v1": 123, "func": lambda self: 999})

-Custom inheritance type

class MyType(type):

def \_\_new\_\_(self):

super().\_\_new\_\_()

-How to create a class based on MyType?

-Method 1:

class MyType(type):

def \_\_new\_\_(cls, \*args, \*\*kwargs):

xx = super().\_\_new\_\_(cls, \*args, \*\*kwargs)

return xx

Foo = MyType("Foo", (object,), {"v1": 123, "func": lambda self: 999})

-Method 2:

class MyType(type):

def \_\_new\_\_(cls, \*args, \*\*kwargs):

print(1)

xx = super().\_\_new\_\_(cls, \*args, \*\*kwargs)

return xx

class Foo(object, metaclass=MyType):

v1 = 123

def func(self):

pass

- Get the metaclass specified in the parent class in the class, all are classes created by metaclass

- Extensions

4.Serializer (\*)

-Serialization , get QuerySet or data object from database -> JSON

-Serialization -Source Code Process

-Data verification

-Data verification-Source code process

4.1 Serialization

-Serializer

- ModelSerializer

- choice&source + time

- Customization

-Nested , for: fk, m2m

-inherit​

When you get an object or QuerySet from any table structure in the database, you can use the above knowledge points to convert it into JSON and then return it.

4.2 Serialization-Source Code Process

4.3 Data verification, verify the user request data format => Form+ModelForm is very similar

5. Mission

-What is a metaclass anyway?

-Serializer​

- Common Uses

-Source code process: drawing + analysis

-Preview :

-Data verification

-Data verification + source code process (optional)

-Case Study: Blogging Platform

-Login & Register => Submit data (data verification)

-Blog list => QuerySet => serialization => many=True

-Blog Details => ORM Object => Serialization => many=False

-Create a new blog

- Certification + Version