
hooky

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Hooky is a Python Module have a list like object called List, and a dict like object called Dict.

The difference between UserList/UserDict and List/Dict is that List/Dict have four members which will call when List/Dict is changed.

CHAPTER 1

Demo

```
1 from hooky import List, Dict
2
3
4 # List
5 class NameList(List):
6     def _before_add(self, key, item):
7         if not isinstance(item, str):
8             print('Type: {} is not well'.format(type(item)))
9             # of cause you may want raise here
10        else:
11            print('fine')
12
13 # two fine
14 names = NameList(['Sue', 'Alissa'])
15
16 # fine
17 names.append('ben')
18
19 # not well
20 names.append(b'Tom')
21
22
23 # Dict
24 class Files(Dict):
25     def _before_add(self, key, item):
26         if not isinstance(key, str):
27             raise TypeError
28         if '/' in key:
29             raise KeyError('invalid filename')
30
31 files = Files()
32
33 # fine
34 files['1.xml'] = '<test></test>'
35
```

```
36 # raise KeyError:
37 files['tes/t.txt'] = b'text'
```


class `hooky.Hook`

`_before_add` (*key, item*)

before add a item to the object will call this method.

example: `obj[key] = item`

`_after_add` (*key, item*)

like `_before_add`, but after add.

`_before_del` (*key, item*)

before delete a item from the object will call this method.

example: `del obj[key]`

`_after_del` (*key, item*)

like `_before_del`, but after del.

class `hooky.List` (*initlist=None, hook_when_init=True*)

Bases: `hooky.Hook`, `collections.abc.Sequence`

list like.

Parameters

- **`initlist`** – iterable object
- **`hook_when_init`** – run hook points when it is True

class `hooky.Dict` (**args, **kwargs*)

Bases: `hooky.Hook`, `collections.abc.MutableMapping`

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Symbols

`_after_add()` (hooky.Hook method), 5
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