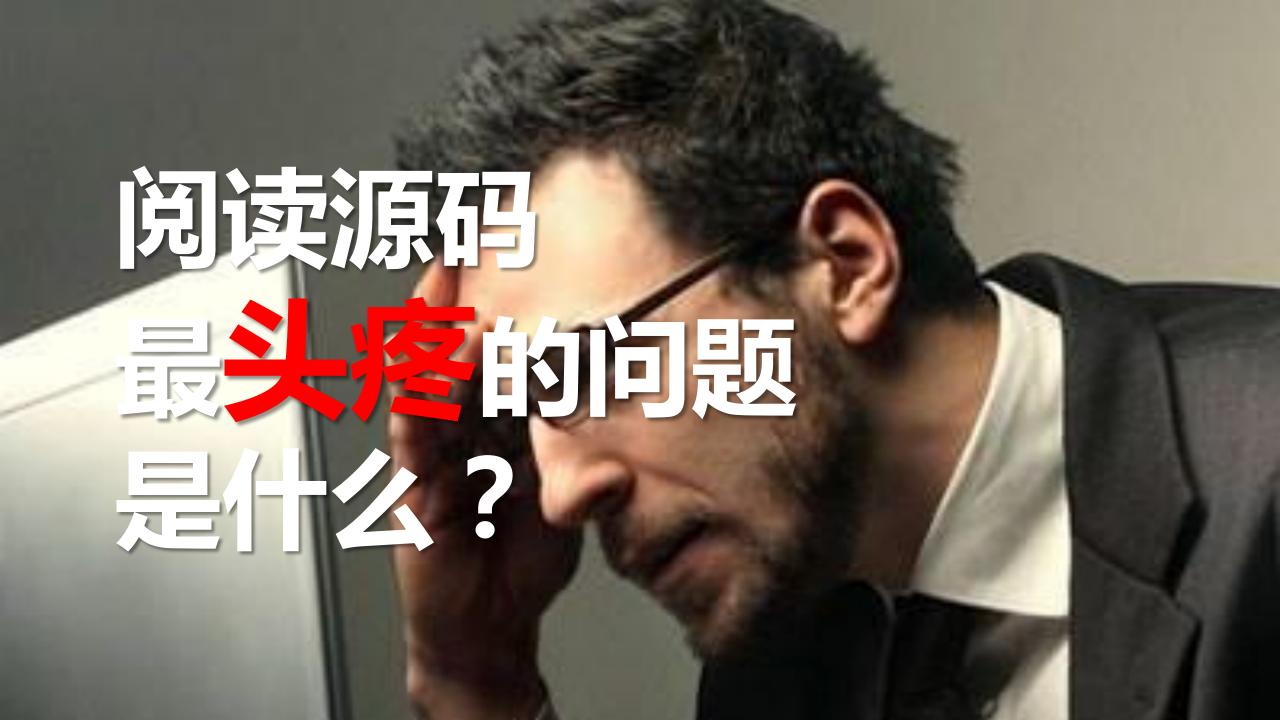
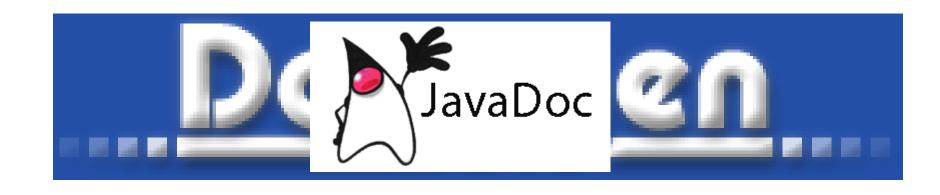
Python文档化

高立琦



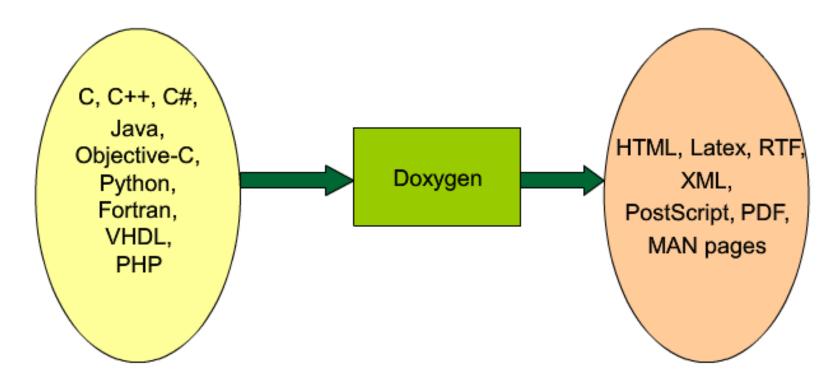


如何解决?



Input format

Output format



```
"""@package core.wxapi.doxygen_example2
   Python文档化示例
    More details....
   det func():
       """Documentation for a function.
      More details.
   class PyClass:
       """Documentation for a class.
      More details.
      def __init__(self):
         """The constructor."""
         self._memVar = 0;
24
      def PyMethod(self):
         """Documentation for a method."""
26
```

core.wxapi.doxygen_example2 Namespace Reference

Classes | Functions

Python文档化示例 More...

Classes

class PyClass

Documentation for a class. More...

Functions

def func ()

Documentation for a function, More...

Petailed Description

Python文档化示例

More details....

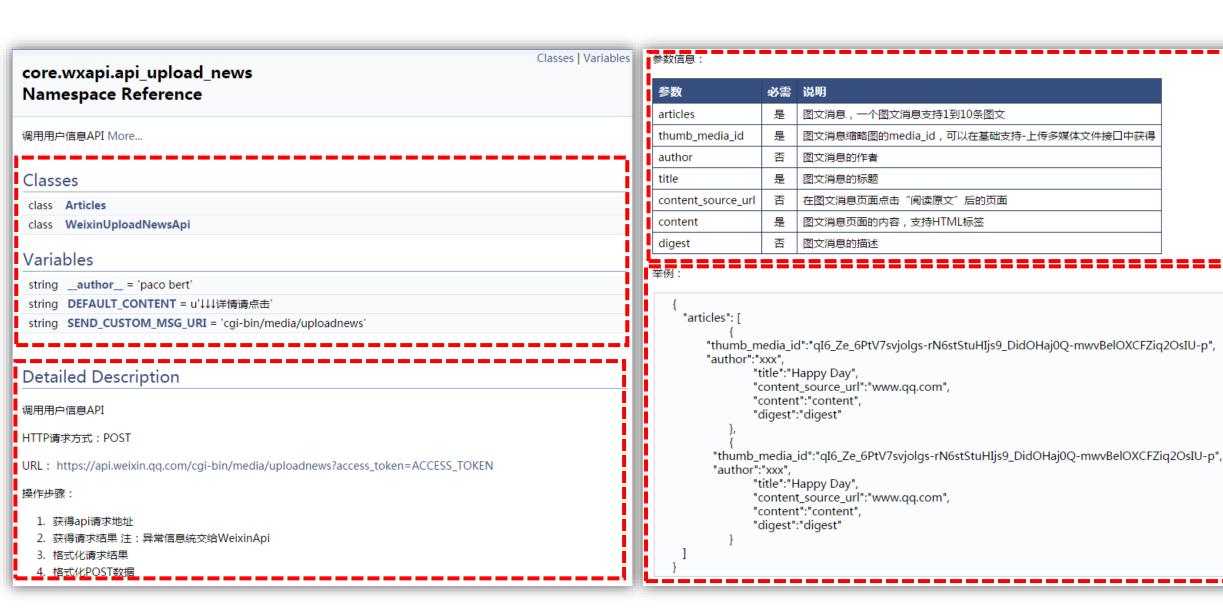
Function Documentation

def core.wxapi.doxygen_example2.func ()

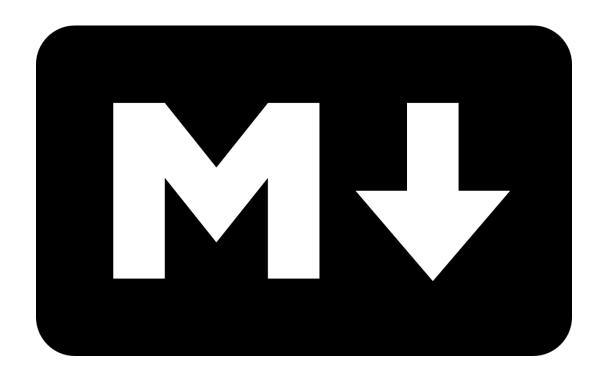
Documentation for a function.

More details.

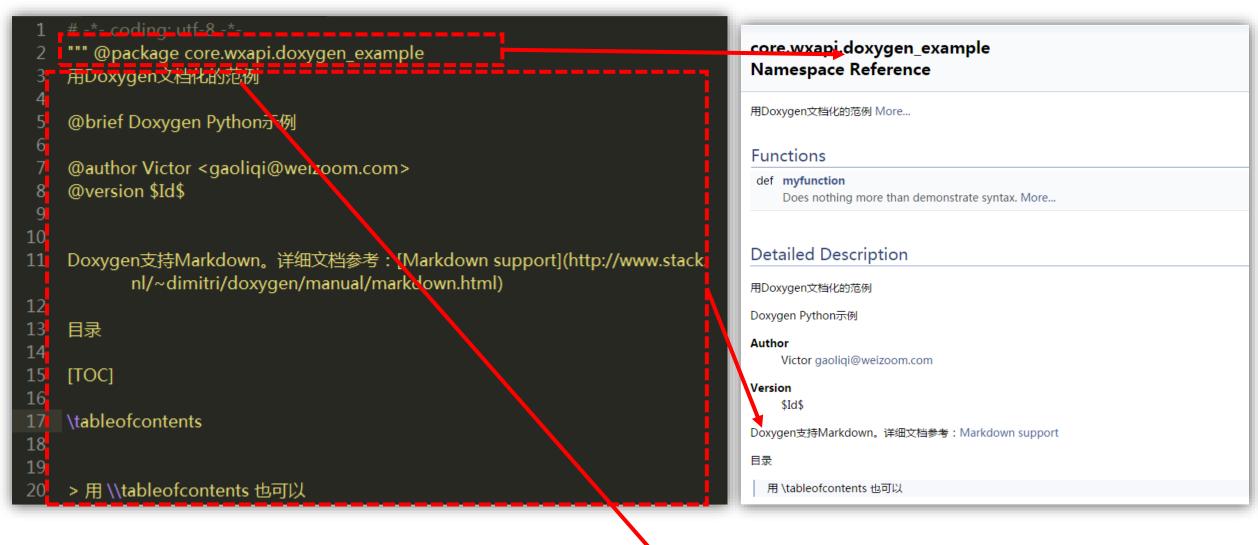
Definition at line 12 of file doxygen_example2.py.



Markdown



Heading	Heading
Sub-heading	Sub-heading
### Another deeper heading Paragraphs are separated by a blank line. Let 2 spaces at the end of a line to do a line break	Another deeper heading Paragraphs are separated by a blank line. Let 2 spaces at the end of a line to do a line break Text attributes <i>italic</i> , bold , monospace, strikethrough.
Text attributes *italic*, **bold**, `monospace`, ~~strikethrough~~. A [link](http://example.com). <-<< No space between] and (>>> Shopping list: * apples * oranges * pears Numbered list: 1. apples 2. oranges 3. pears The rainnot the reignin Spain.	A link @. Shopping list: apples oranges pears Numbered list: 1. apples 2. oranges 3. pears The rain—not the reign—in Spain.



@ customer_message	音MV月尽
doxygen_example	用Doxygen文档化的范例
doxygen_example2	Python文档化示例

```
22 段落

23 ========

24 Markdown中不按换行区分段落,用空行分隔段落。例如:

25

26 这是第一个段落。

27

28 这是第二个段落。

29
```

段落

Markdown中不按换行区分段落,用空行分隔段落。例如:

这是第一个段落。

这是第二个段落。

```
表格
  =======
   表格示例
37 表格示例1:
39 | |参数 |必需|说明|
40 | :----- | :---: | :------
41 articles | 是 | 图文消息 , 一个图文消息支持1到10条图文
42 | thumb_media_id | 是 | 图文消息缩略图的media_id , 可以在基础支持-
        上传多媒体文件接口中获得 |
43 | author | 否 | 图文消息的作者 |
44 | title | 是 | 图文消息的标题 |
45 | | content_source_url | 否 | 在图文消息页面点击 "阅读原文"后的页面 |
46 | content | 是 | 图文消息页面的内容 , 支持HTML标签 |
47 | digest | 否 | 图文消息的描述 |
   表格示例2:
  First Header | Second Header
  ------|-----
  Content Cell | Content Cell
  Content Cell | Content Cell
```

表格

表格示例

表格示例1:

参数	必需	说明
artieles	是	图文消息,一个图文消息支持1到10条图文
thumb_media_id	是	图文消息缩略图的media_id,可以在基础支持-上传多媒体文件接口中获得
author	否	图文消息的作者
title	是	图文消息的标题
content_source_url	否	在图文消息页面点击"阅读原文"后的页面
content	是	图文消息页面的内容,支持HTML标签
digest	否	图文消息的描述

表格示例2:

First Header	Second Header
Content Cell	Content Cell
Content Cell	Content Cell

```
73 @see 更多指令参见 http://www.stack.nl/~dimitri/doxygen/
           manual/commands.html
 75 引用块
 78 > This is a block quote
 79 > spanning multiple lines
 81 列表
 84 无编号列表:
 86 - Item 1
      More text for this item.
 90 - Item 2
 91 + nested list item.
 92 + another nested item.
 93 - Item 3
 96 有编号列表:
 98 1. Item1 of list 1
 99 3. Item2 of list 1
100 2. Item1 of list 2
101 4. Item2 of list 2
104 -# item1
105 -# item2
107 用*的列表:
108 * item 1
109 * item 2
```

See also

更多指令参见 http://www.stack.nl/~dimitri/doxygen/manual/commands.html

引用块

This is a block quote spanning multiple lines

列表

无编号列表:

Item 1

More text for this item.

- Item 2
 - nested list item.
 - o another nested item.
- Item 3

有编号列表:

- 1. Item1 of list 1
- 2. Item2 of list 1
- 1. Item1 of list 2
- 2. Item2 of list 2
- 3. item1
- 4. item2

用*的列表:

- item 1
- item 2

```
代码块(Fenced Code Blocks)
115
116
     Python代码示例
     有标号的代码块:
121
123
       # A class
124
       if name ==" main ":
125
         print("Hello, world!")
127
128
130
       # A class
131
       class Dummy:
132
     C代码示例
137
     ~~~~~~~~~~~~~.{.c}
     int func(int a,int b) {
140
       return a*b;
141
     ~~~~~~~~~~~~~
143
144
     ~~~~~~~~~~~~~
145
       int func(int a,int b) {
146
          return a*b;
147
```

```
水平线
                                                              150
代码块(Fenced Code Blocks)
                                                              151
                                                                     ========
Python代码示例
                                                              152
                                                              153
有标号的代码块:
                                                              155
   1 # A class
   2 if __name__ == "__main__":
3 print("Hello, world!")
                                                              156
                                                              157
                                                                    强调(Emphasis)
   1 # A class
                                                              158
                                                                    ========
   2 class Dummy:
                                                              159
                                                              160
                                                                    *single asterisks*
C代码示例
                                                              161
                                                              162
                                                                    _single underscores_
 int func(int a,int b) {
                                                              163
   return a*b;
                                                              164
                                                                    **double asterisks**
                                                              165
   1 int func(int a,int b) {
       return a*b;
                                                              166 double underscores
水平线
强调(Emphasis)
single asterisks
single underscores
double asterisks
double underscores
```

```
Code spans
171
      Use the `println()` function.
173
174
175
      ========
177
       <a href="http://www.example.com">http://www.example.com</a>
     * <https://www.example.com>
180
      * <ftp://www.example.com>
       <mailto:address@example.com>
       <address@example.com>
182
      * [http://www.weizoom.com]
183
     * [The link text](http://example.net/)
     * [The link text](http://example.net/ "Link title")
     * [The link text](/relative/path/to/index.html "Link title")
187
      * [The link text](somefile.html)
188
     I get 10 times more traffic from [Google] than from [Yahoo]
              or [MSN].
190
     [google]: http://google.com/
                                        "Google"
      [yahoo]: http://search.yahoo.com/ "Yahoo Search"
     [msn]: http://search.msn.com/ "MSN Search"
193
194
196
      @see http://www.stack.nl/~dimitri/doxygen/manual/index.
             html
```

Code spans

Use the println() function.

链接

- http://www.example.com
- https://www.example.com
- · ftp://www.example.com
- · address@example.com
- address@example.com
- [http://www.weizoom.com]
- The link text
- · The link text
- · The link text
- · The link text

I get 10 times more traffic from Google than from Yahoo or MSN.

参考资料

See also

http://www.stack.nl/~dimitri/doxygen/manual/index.html

```
def myfunction(arg1, arg2, kwarg='whatever.'):
204
205
       Does nothing more than demonstrate syntax.
206
207
208
       This is an example of how a Pythonic human-readable
               docstring can
209
        get parsed by doxypypy and marked up with Doxygen
               commands as a
        regular input filter to Doxygen.
210
211
212
        @param[in] arg1 A positional argument.
213
        @param[in] arg2 Another positional argument.
214
        @param[out] kwarg A keyword argument.
215
        @return 返回结果说明。A string holding the result.
216
217
        @retval 返回值
218
219
220
        @param arg1 A positional argument.
221
        @param arg2 Another positional argument.
        @param kwarg A keyword argument.
222
223
224
        @note \@note 值得注意的问题
225
226
        @attention 注意事项
227
228
        @see http://wiki.weizoom.com:81/
```

Function Documentation

Does nothing more than demonstrate syntax.

This is an example of how a Pythonic human-readable docstring can get parsed by doxypypy and marked up with Doxygen commands as a regular input filter to Doxygen.

Parameters

[in] arg1 A positional argument.

[in] arg2 Another positional argument.

[out] kwarg A keyword argument.

Returns

返回结果说明。A string holding the result.

Return values

返回值

Parameters

arg1 A positional argument.

arg2 Another positional argument.

kwarg A keyword argument.

Note

@note 值得注意的问题

Attention

注意事项

See also

http://wiki.weizoom.com:81/

```
228
         @see http://wiki.weizoom.com:81/
229
230
         @warning \@warning 警告
                                                                                     See also
231
                                                                                          http://wiki.weizoom.com:81/
232
         Raises:
233
           ZeroDivisionError, AssertionError, & ValueError.
                                                                                    Warning
234
                                                                                          @warning 警告
235
         Examples:
                                                                                     Raises: ZeroDivisionError, AssertionError, & ValueError.
236
237
           >>> myfunction(2, 3)
                                                                                     Examples:
           '5 - 0, whatever.'
238
                                                                                      >>> myfunction(2, 3)
           >>> myfunction(5, 0, 'oops.')
239
                                                                                      '5 - 0, whatever.'
           Traceback (most recent call last):
240
                                                                                      >>> myfunction(5, 0, 'oops.')
241
                                                                                      Traceback (most recent call last):
           ZeroDivisionError: integer division or modulo by zero
242
                                                                                      ZeroDivisionError: integer division or modulo by zero
243
           >>> myfunction(4, 1, 'got it.')
                                                                                      >>> myfunction(4, 1, 'got it.')
244
           '5 - 4, got it.'
                                                                                      '5 - 4, got it.'
                                                                                      >>> myfunction(23.5, 23, 'oh well.')
245
           >>> myfunction(23.5, 23, 'oh well.')
                                                                                      Traceback (most recent call last):
246
           Traceback (most recent call last):
247
                                                                                      AssertionError
           AssertionError
248
                                                                                      >>> myfunction(5, 50, 'too big.')
                                                                                      Traceback (most recent call last):
           >>> myfunction(5, 50, 'too big.')
249
           Traceback (most recent call last):
250
                                                                                      ValueError
251
252
           ValueError
                                                                                     Todo:
253
                                                                                          待做列表
254
         @todo 待做列表
                                                                                      改进1
255
                                                                                      * 改进2
256
         改讲1
         * 改进2
257
                                                                                    Bug:
258
                                                                                          @bug 存在的bug
259
         @bug \@bug 存在的bug
                                                                                      bug的描述....
        bug的描述....
                                                                                     Definition at line 263 of file doxygen_example.py.
262
264
         assert isinstance(arg1, int)
```

```
82
     def_extract_items(request):____
83
84
         抽取activity items
85
         id2info = {}
87
         for key, value in request.POST.items():
             if not key.startswith('item '):
89
90
91
             _, type, name, id = key.split('_')
92
             if type == 'text':
                                                               list activities: 显示活动列表 More...
                 type = ACTIVITYITEM TYPE TEXT
                                                           def market_tools.tools.activity.views.create_activity (request)
                                                                添加活动 More...
     TYPE TEXT NAME = "text %s"
150
                                                           def parket tools.tools.activity.views.update_activity (request, activity_id)
     TYPE SELECT NAME = "select %s"
151
                                                                update_activity: 更新活动 More...
     TYPE IMAGE NAME = "image %s"
152
      TYPE SELECT OPTION = "option %s"
153
                                                           def market_tools.tools.activity.views.update_activity_status (request, activity_id)
      @login required
154
                                                                update activity status: 更改活动状态 More...
155
      def create activity(request):
                                                           def market_tools.tools.activity.views.delete_activity (request, activity_id)
156
157
          添加活动
158
159
          if request.POST:
              name = request.POST["name"]
161
              detail = request.POST.get("detail", ")
              quide url = request.POST.get("guide url", ")
162
              is_enable_offline_sign = request.POST.get("is_enable_offline_sign", False)
163
              is_non_member = request.POST.get("is_non_member", False)
164
165
              prize_type = request.POST.get("prize_type", '-1')
              prize source = request.POST.get("prize source", ")
166
```

- 源码头部记录
 - 此源码做什么
 - 对理解源码有帮助的信息,比如接口、原理
- 函数
 - 此函数做什么的
 - 记录参数
 - 返回值/返回类型
 - 值得注意
 - 参考
 - TODO列表

Doxygen指令

Doxygen指令	说明
@param	参数说明
@type	参数类型
@see	参考
@brief	简要说明,在doxygen生成的目录中显示
@note	值得注意的问题
@author	作者
@attention	注意事项
@bug	bug
@warning	警告

See also

更多指令参见 http://www.stack.nl/~dimitri/doxygen/manual/commands.html

生成文档

- 编辑Doxygen文件
- 执行doxygen
 - 用cygwin中的doxygen
- 生成文档

让写文档变成享受