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# Sphinx Tests Documentation

*Release 0.6alpha1*

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someone else

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Contents:



## EXTENSION API TESTS

Testing directives: **from function: Foo****from class: Bar**





## SPHINX IMAGE HANDLING









**IMAGE INCLUDING SOURCE IN SUBDIR**





## INCLUDING IN SUBDIR

```
print("line 1")
```

```
print("line 2")
```

Absolute /img.png download.



This is an include file.





## TESTING DOWNLOADABLE FILES

Download `img.png` here. Download `this` there. Don't download `this`.



## TEST FILE AND LITERAL INCLUSION



```
# Literally included file using Python highlighting
# -*- coding: utf-8 -*-

foo = "Including Unicode characters: üöä"

class Foo:
    pass

class Bar:
    def baz():
```

```
pass
```

```
def bar(): pass
```

Encoding 'utf-8-sig' used for reading included file u'/Users/tkomiya/work/sphinx/tests/build/root/wrongenc.inc' seems to be wrong, try giving an :encoding: option

```
This file is encoded in latin-1 but at first read as utf-8.
```

```
Max StrauSS aSS in München eine Leberkässemmel.
```

This file is encoded in latin-1 but at first read as utf-8.

Max StrauSS aSS in München eine Leberkässemmel.

## LITERALINCLUDE OPTIONS

```
class Foo:
    pass
```

```
def baz():
    pass
```

```
6 class Foo:
7     pass
8 class Bar:
```

```
foo = "Including Unicode characters: üöä"
```

```
START CODE
# Literally included file using Python highlighting
# -*- coding: utf-8 -*-

foo = "Including Unicode characters: üöä"

class Foo:
    pass

class Bar:
    def baz():
        pass

def bar(): pass
END CODE
```

```
foo = "Including Unicode characters: üöä"
```

```
class Foo:
    pass

class Bar:
    def baz():
        pass

def bar(): pass
```

```
# Literally included file using Python highlighting
# -*- coding: utf-8 -*-
```

```
foo = "Including Unicode characters: üöä"
```

```
--- literal_orig.inc
+++ literal.inc
@@ -1,12 +1,12 @@
# Literally included file using Python highlighting
# -*- coding: utf-8 -*-

-foo = "Including Unicode characters: üöä" # This will be changed
+foo = "Including Unicode characters: üöä"

-class FooOrig:
+class Foo:
    pass

-class BarOrig:
+class Bar:
    def baz():
        pass
```

```
Tabs include file test
-----

The next line has a tab:
-| |-
```

```
Tabs include file test
-----

The next line has a tab:
-|   |-
```

```
6 class Foo:
7     pass
```

```
6 class Foo:
7     pass
```

```
3 foo = "Including Unicode characters: üöä"
```

Test if dedenting before parsing works.

```
def baz():
    pass
```

## DOCUTILS INCLUDE WITH “LITERAL”

While not recommended, it should work (and leave quotes alone).

```
Testing "quotes" in literal 'included' text.
```





## TESTING VARIOUS MARKUP

### 9.1 Meta markup

*Section author: Georg Brandl*

*Module author: Georg Brandl*

#### TOC

- *Testing various markup*
  - *Meta markup*
  - *Generic reST*
    - \* *Body directives*
    - \* *Admonitions*
  - *Inline markup*
  - *With*
  - *Tables*
  - *Figures*
  - *Version markup*
  - *Code blocks*
  - *Misc stuff*
  - *Index markup*
  - *Ö... Some strange characters*
  - *Only directive*
  - *Any role*

### 9.2 Generic reST

A global substitution (the definition is in `rst_epilog`).

```
some code
```

Option list:

<b>-h</b>	help
<b>-help</b>	also help

Line block:

```
line1
  line2
    line3
      line4
  line5
line6
  line7
```

### 9.2.1 Body directives

**Title**

Topic body.

**Sidebar**

**Sidebar subtitle**

Sidebar body.

#### Test rubric

Epigraph title

Epigraph body.

—Author

Highlights

Highlights body.

Pull-quote

Pull quote body.

a

b

with some *markup* inside

## 9.2.2 Admonitions

---

### My Admonition

Admonition text.

---

---

**Note:** Note text.

---

**Warning:** Warning text.

---

---

**Tip:** Tip text.

---

Indirect hyperlink targets

## 9.3 Inline markup

### *Generic inline markup*

Adding n to test unescaping.

- **command**\n
- *dfn*\n
- *guilabel* with *accelerator* and \n
- `kbd`\n
- *mailheader*\n
- **makevar**\n
- *manpage*\n
- *mimetype*\n
- *newsgroup*\n
- **program**\n
- `regexp`\n
- *File* → *Close*\n
- *File* → *Print*
- `a/varpart/b`\n
- `print i`\n

### *Linking inline markup*

- **PEP 8**
- **Python Enhancement Proposal #8**

- **RFC 1**
- **Request for Comments #1**
- *HOME*
- *with*
- *try statement*
- *Admonitions*
- *here*
- *there*
- *My caption of the figure*
- *My caption of the figure*
- *my table*
- *my table*
- *my ruby code*
- *my ruby code*
- Fig. ??
- Fig. ??
- Table ??
- Table ??
- Listing ??
- Listing ??
- *Including in subdir*
- `:download:` is tested in includes.txt
- *Python -c option*
- This used to crash: `&option`

Test ABBR (abbreviation) and another ABBR.

Testing the index role, also available with explicit title.

## 9.4 With

(Empty section.)

## 9.5 Tables

Table 9.1: my table

1	<ul style="list-style-type: none"><li>• Block elems</li><li>• In table</li></ul>	x
2	Empty cells:	

Table  
9.2:  
empty  
cell in  
table  
header

1	2
3	4

Tables with multirow and multicol:

1	test!		c
2	col	col	
y	multi-column cell		x

x
1

## 9.6 Figures



Fig. 9.1: My caption of the figure  
My description paragraph of the figure.  
Description paragraph is wraped with legend node.

Fig.  
9.2:  
figure  
with  
align  
op-  
tion

## 9.7 Version markup

New in version 0.6: Some funny **stuff**.

Changed in version 0.6: Even more funny stuff.

Deprecated since version 0.6: Boring stuff.

New in version 1.2: First paragraph of versionadded.

Changed in version 1.2: First paragraph of version-  
changed.

Second paragraph of versionchanged.

Fig. 9.3: figure with align & figwidth option

## 9.8 Code blocks

Listing 9.1: my ruby code

```
1 def ruby?  
2   false  
3 end
```

```
import sys  
  
sys.stdout.write('hello world!\n')
```

## 9.9 Misc stuff

Stuff <sup>1</sup>

Reference lookup: *[Ref1]* (defined in another file). Ref-  
erence lookup underscore: *[Ref\_1]*

**See also:**

something, something else, something more

---

<sup>1</sup> Like footnotes.

**Google** For everything.

- This
- is
- a horizontal
- list
- with several
- items

### Side note

This is a side note.

This tests `role` names in uppercase.

#### LICENSE AGREEMENT

Terry Pratchett, Tolkien, Monty Python.

**ähnlich** Dinge

**boson** Particle with integer spin.

***fermion*** Particle with half-integer spin.

**tauon**

**myon**

**electron** Examples for fermions.

**über** Gewisse

```
try_stmt    ::=  try1_stmt | try2_stmt
try1_stmt   ::=  "try" ":" suite
                ("except" [expression ["," target]] ":" suite)+
                ["else" ":" suite]
                ["finally" ":" suite]
try2_stmt   ::=  "try" ":" suite
                "finally" ":" suite
```

## 9.10 Index markup

Invalid index markup...

Main

## 9.11 Ö... Some strange characters

Testing öäü...

## 9.12 Only directive

In LaTeX.

In both.

## 9.13 Any role

Test referencing to *headings* and *objects*. Also *modules* and *classes*.

More domains:

- *JS*
- *C*
- *myobj* (user markup)
- *n::Array*
- *perl -c*



## TESTING OBJECT DESCRIPTIONS

```

func_without_module (a, b, *c[], d)
    Does something.
func_without_body ()
func_with_unknown_field ()
    ::
    : empty field name:
        Field_name
        Field_name all lower
        FIELD_NAME
        FIELD_NAME ALL CAPS
        Field_Name
        Field_Name All Word Caps
        Field_name
        Field_name First word cap
        FIELD_name
        FIELD_name PARTial caps
func_noindex ()
foolib.func_with_module ()
Referring to func with no index. Referring to nothing.
mod.func_in_module ()
class mod.Cls

    meth1 ()
    static meths ()
    attr

Cls.meth2 ()
exception errmod.Error (arg1, arg2)
mod.var

```

**func\_without\_module2** () → annotation

**long** (parameter, list)  
another one

**class TimeInt**

Has only one parameter (triggers special behavior...)

**Parameters** **moo** (Moo) – Moo

**class Time** (hour, minute, isdst)

**Parameters**

- **year** (TimeInt) – The year.
- **minute** (TimeInt) – The minute.
- **isdst** – whether it's DST
- **hour** (*DuplicateType*) – Some parameter
- **hour** – Duplicate param. Should not lead to crashes.
- **extcls** (Cls) – A class from another module.

**Returns** a new *Time* instance

**Return type** *Time*

**Raises** **ValueError** – if the values are out of range

**Variables**

- **hour** (*int*) – like *hour*
- **minute** (*int*) – like *minute*

## C ITEMS

```
Sphinx_DoSomething()  
SphinxStruct.member  
SPHINX_USE_PYTHON  
SphinxType  
sphinx_global
```



## JAVASCRIPT ITEMS

**foo()**

**bar**

**bar.baz** (*href*, *callback*[, *errback*])

**Arguments**

- **href** (*string*) – The location of the resource.
- **callback** – Get's called with the data returned by the resource.

**Throws** **InvalidHref** – If the *href* is invalid.

**Returns** *undefined*

**bar.spam**



## REFERENCES

Referencing *mod.Cls* or *mod.Cls* should be the same.

With target: *Sphinx\_DoSomething()* (parentheses are handled), *SphinxStruct.member*, *SPHINX\_USE\_PYTHON*, *SphinxType \** (pointer is handled), *sphinx\_global*.

Without target: *CFunction().malloc()*.

*foo()* *foo()*

*bar bar.baz()* *bar.baz()* *baz()*

*bar.baz*





## OTHERS

### HOME

**-c** *command*

**-c**

**+p**

**arg**

Link to *perl +p* and *arg*

**commit**

**-p**

Link to *hg commit* and *git commit -p*.



## USER MARKUP

**myobj** (*parameter*)

Description of userdesc.

Referencing *myobj*.



**CPP DOMAIN**

```
class n : Array  
  
    T &operator[] (unsigned j)  
    const T &operator[] (unsigned j) const
```



## FILE WITH UTF-8 BOM

This file has a UTF-8 “BOM”.





TEST MATH EXTENSIONS  $E = MC^2$

This is inline math:  $a^2 + b^2 = c^2$ .

$$a^2 + b^2 = c^2$$

$$a + 1 < b$$

$$e^{i\pi} = 1 \tag{18.1}$$

$$e^{ix} = \cos x + i \sin x$$

$$n \in \mathbb{N}$$

$a + 1 < b$  Referencing equation (??).



## AUTODOC TESTS

Just testing a few autodoc possibilities...

### 19.1 Sphinx test suite utilities

**copyright** Copyright 2007-2016 by the Sphinx team, see AUTHORS.

**license** BSD, see LICENSE for details.

### 19.2 test\_autodoc

Test the autodoc extension. This tests mainly the Documenters; the auto directives are tested in a test source file translated by test\_build.

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**license** BSD, see LICENSE for details.

**class** `test_autodoc.Class` (*arg*)  
Class to document.

**attr** = 'bar'  
should be documented – süSS

**descr**  
Descriptor instance docstring.

**docattr** = 'baz'  
should likewise be documented – süSS

**excludemeth** ()  
Method that should be excluded.

**inst\_attr\_comment** = None  
a documented instance attribute

**inst\_attr\_inline** = None  
an inline documented instance attr

**inst\_attr\_string** = None  
a documented instance attribute

**mdocattr** = <StringIO.StringIO instance>  
should be documented as well - süSS

```
meth ()
    Function.

classmethod moore (a, e, f) → happiness

prop
    Property.

skipmeth ()
    Method that should be skipped.

udocattr = 'quux'
    should be documented as well - süSS

test_autodoc.function (foo, *args, **kws)
    Return spam.

class test_autodoc.Class (arg)
    Class to document.

    Additional content.

    attr = 'bar'
        should be documented – süSS

    descr
        Descriptor instance docstring.

    docattr = 'baz'
        should likewise be documented – süSS

    excludemeth ()
        Method that should be excluded.

    inheritedmeth ()
        Inherited function.

    inst_attr_comment = None
        a documented instance attribute

    inst_attr_inline = None
        an inline documented instance attr

    inst_attr_string = None
        a documented instance attribute

    mdocattr = <StringIO.StringIO instance>
        should be documented as well - süSS

meth ()
    Function.

classmethod moore (a, e, f) → happiness

prop
    Property.

skipmeth ()
    Method that should be skipped.

udocattr = 'quux'
    should be documented as well - süSS

class test_autodoc.Outer
    Foo
```

```
class Inner
```

```
    Foo
```

```
    meth()
```

```
        Foo
```

```
Class.docattr = 'baz'
```

```
    should likewise be documented – süSS
```

```
exception test_autodoc.CustomEx
```

```
    My custom exception.
```

```
    f()
```

```
        Exception method.
```

```
class test_autodoc.CustomDict
```

```
    Bases: dict
```

```
    Docstring.
```

```
class autodoc_fodder.MarkupError
```

---

**Note:** This is a docstring with a

---

Explicit markup ends without a blank line; unexpected unindent.

small markup error which should have correct location information.

```
class test_autodoc.InstAttCls
```

```
    Class with documented class and instance attributes.
```

```
    All members (5 total)
```

```
    ca1 = 'a'
```

```
        Doc comment for class attribute InstAttCls.ca1. It can have multiple lines.
```

```
    ca2 = 'b'
```

```
        Doc comment for InstAttCls.ca2. One line only.
```

```
    ca3 = 'c'
```

```
        Docstring for class attribute InstAttCls.ca3.
```

```
    ia1 = None
```

```
        Doc comment for instance attribute InstAttCls.ia1
```

```
    ia2 = None
```

```
        Docstring for instance attribute InstAttCls.ia2.
```

```
class test_autodoc.InstAttCls
```

```
    Class with documented class and instance attributes.
```

```
    Specific members (2 total)
```

```
    ca1 = 'a'
```

```
        Doc comment for class attribute InstAttCls.ca1. It can have multiple lines.
```

```
    ia1 = None
```

```
        Doc comment for instance attribute InstAttCls.ia1
```

### **Dedication**

For Docutils users & co-developers.

### **Abstract**

This document is a demonstration of the reStructuredText markup language, containing examples of all basic reStructuredText constructs and many advanced constructs.

## RESTRUCTUREDTEXT DEMONSTRATION

### 20.1 Examples of Syntax Constructs





## TEST FOR DIVERSE EXTENSIONS

### 21.1 extlinks

Test diverse links: [issue 1000](#) and <http://python.org/dev/>, also with [explicit caption](#).

### 21.2 todo

#### 21.2.1 list of all todos



## TESTING FOOTNOTE AND CITATION

### 22.1 numbered footnote

<sup>1</sup>

### 22.2 auto-numbered footnote

<sup>2</sup>

### 22.3 named footnote

<sup>3</sup>

### 22.4 citation

[bar]

### 22.5 footnotes in table

Table 22.1: Table caption <sup>4</sup>

name <sup>5</sup>	desription
VIDIOC_CROPCAP	Information about VIDIOC_CROPCAP

---

<sup>1</sup> numbered

<sup>2</sup> auto numbered

<sup>3</sup> named

<sup>4</sup> footnotes in table caption

<sup>5</sup> footnotes in table

## 22.6 footnotes

Citations

## 22.7 missing target

[missing] citation

## VARIOUS KINDS OF LISTS

### 23.1 nested enumerated lists

1. one
2. two
  - (a) two.1
  - (b) two.2
3. three

### 23.2 enumerated lists with non-default start values

0. zero
1. one

- 
1. one
  2. two
- 

2. two
3. three

### 23.3 enumerated lists using letters

1. a
2. b
3. c
4. d

- 
24. x
  25. y
-

26. z

27. {

## 23.4 definition lists

**term1** description

**term2 (stronged partially)** description

**GENERATED SECTION**





## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`



---

CHAPTER  
**TWENTYSIX**

---

**REFERENCES**



**TEST FOR ISSUE #1157**

This used to crash:



**TEST FOR ISSUE #1700**

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## TEST FOR INDIRECT HYPERLINK TARGETS

*indirect hyperref*



## BIBLIOGRAPHY

[bar] cite

[Ref1] Reference target.

[Ref\_1] Reference target 2.



**a**

autodoc\_missing\_imports, ??

**m**

mod(*UNIX*), ??

**t**

test\_autodoc, ??

**u**

util, ??