



xxxpython*package_namexxx* Documentation

Release v0.1

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2022

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xxxpackage_descriptionxxx.

Documentation for xxxpython_package_namexxx is hosted by [Read the Docs](#) ([development version](#) and [master version](#)). The code lives on [github](#). Please report any issues you find [here](#).

FEATURES

-

1.1 Installation

The easiest way to install `xxxpython_package_namexxx` is to use `pip` (here we show the install inside of a conda environment):

```
conda create -n xxxpython_package_namexxx python=3.7 pip
conda activate xxxpython_package_namexxx
pip install xxxpython_package_namexxx
```

Or you can clone the [github repo](#) and install from a local version of the code:

```
git clone git@github.com:thespacedoctor/xxxpython_package_namexxx.git
cd xxxpython_package_namexxx
python setup.py install
```

To upgrade to the latest version of `xxxpython_package_namexxx` use the command:

```
pip install xxxpython_package_namexxx --upgrade
```

To check installation was successful run `xxxpython_package_namexxx -v`. This should return the version number of the install.

1.1.1 Development

If you want to tinker with the code, then install in development mode. This means you can modify the code from your cloned repo:

```
git clone git@github.com:thespacedoctor/xxxpython_package_namexxx.git
cd xxxpython_package_namexxx
python setup.py develop
```

[Pull requests](#) are welcomed!

1.2 Initialisation

Before using xxxpython_{package_name} you need to use the `init` command to generate a user settings file. Running the following creates a `yaml` settings file in your home folder under `~/.config/xxxpythonpackage_name/xxxpythonpackage_name.yaml`:

```
xxxpythonpackage_name init
```

The file is initially populated with xxxpython_{package_name}'s default settings which can be adjusted to your preference.

If at any point the user settings file becomes corrupted or you just want to start afresh, simply trash the xxxpython_{package_name}.yaml file and rerun xxxpython_{package_name} `init`.

1.3 Todo List

Todo:

- update key arguments values and definitions with defaults
 - update return values and definitions
 - update usage examples and text
 - update docstring text
 - check sublime snippet exists
 - clip any useful text to docs mindmap
 - regenerate the docs and check redendering of this docstring
-

(The [original entry](#) is located in `/home/docs/checkouts/readthedocs.org/user_builds/python-package-frankenstein-template/envs/master/lib/python3.7/site-packages/xxxpythonpackage_name-0.1-py3.7.egg/xxxpythonpackage_name/docstring_test.py:docstring of xxxpythonpackage_name.docstring_test.docsting_test, line 37.)`

Todo:

- nice!
-

(The [original entry](#) is located in `/home/docs/checkouts/readthedocs.org/user_builds/python-package-frankenstein-template/envs/master/lib/python3.7/site-packages/xxxpythonpackage_name-0.1-py3.7.egg/xxxpythonpackage_name/docstring_test.py:docstring of xxxpythonpackage_name.docstring_test.docsting_test, line 52.)`

Todo:

- update key arguments values and definitions with defaults
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Todo:

- nice!
-

(The [original entry](#) is located in `/home/docs/checkouts/readthedocs.org/user_builds/python-package-frankenstein-template/envs/master/lib/python3.7/site-packages/xxxpython_package_name-0.1-py3.7.egg/xxxpython_package_name/docstring_test.py:docstring of xxxpython_package_name.docstring_test.docstring_test, line 52.`)

Todo:

- Make sure todo list is working. ✓
-

(The *original entry* is located in `/home/docs/checkouts/readthedocs.org/user_builds/python-package-frankenstein-template/checkouts/master/docs/source/_template_.md, line 1.`)

1.4 Release Notes

API REFERENCE

2.1 Modules

<code>xxxpython_package_namexxx.commonutils</code>	<i>common tools used throughout package</i>
<code>xxxpython_package_namexxx.docstring_test</code>	<i>Testing the rendering of docstings - feel free to remove this module</i>
<code>xxxpython_package_namexxx.utKit</code>	<i>Unit testing tools</i>

2.1.1 commonutils (module)

common tools used throughout package

Sub-modules

2.1.2 docstring_test (module)

Testing the rendering of docstings - feel free to remove this module

Check the API output here: file:///Users/Dave/git_repos/templates/python-package-template/xxxpython_package_namexxx/docs/build/html/_api/xxxpython_package_namexxx.docstring_test.html

Functions

<code>docstring_test(self)</code>	<i>the database object for sherlock, setting up ssh tunnels and various database connections</i>
-----------------------------------	--

Sub-modules

docstring_test (*self*)

the database object for sherlock, setting up ssh tunnels and various database connections

The returned dictionary of database connections contain the following databases:

- `transients` – the database hosting the transient source data
- `catalogues` – connection to the database hosting the contextual catalogues the transients are to be crossmatched against
- `marshall` – connection to the PESSTO Marshall database

Key Arguments:

- `log` – logger
- `settings` – the settings dictionary

Return:

- `dbConns` – a dictionary of the database connections required by sherlock

Usage:

To setup the sherlock database connections, run the following:

```
.. code-block:: python

    # SETUP ALL DATABASE CONNECTIONS
    from sherlock import database
    db = database(
        log=log,
        settings=settings
    )
    dbConns, dbVersions = db.connect()
    transientsDbConn = dbConns["transients"]
    cataloguesDbConn = dbConns["catalogues"]
    pmDbConn = dbConns["marshall"]
```

Todo:

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Embed reStructuredText

Todo:

- nice!

Code and Syntax Highlighting

Inline code has back-ticks around it.

```
var s = "JavaScript syntax highlighting";
alert(s);
```

```
s = "Python syntax highlighting"
print s
myString = "Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do
↳eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim
↳veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
↳consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse
↳cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non
↳proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
```

No language indicated, so no syntax highlighting.
But let's throw in a `tag`.

Mermaid

```
gantt
    dateFormat YYYY-MM-DD
    title Adding GANTT diagram functionality to mermaid
    section A section
    Completed task                :done,    des1, 2014-01-06,2014-01-08
    Active task                    :active,  des2, 2014-01-09, 3d
    Future task                    :         des3, after des2, 5d
    Future task2                   :         des4, after des3, 5d
    section Critical tasks
    Completed task in the critical line :crit, done, 2014-01-06,24h
    Implement parser and jison        :crit, done, after des1, 2d
    Create tests for parser           :crit, active, 3d
    Future task in critical line      :crit, 5d
    Create tests for renderer         :2d
    Add to mermaid                   :1d
```

Flowchart

```
s=>start: start
e=>end: end
o=>operation: operation
sr=>subroutine: subroutine
c=>condition: condition
i=>inputoutput: inputoutput
p=>parallel: parallel

s->o->c
c(yes)->i->e
c(no)->p
p(path1, bottom)->sr(right)->o
p(path2, top)->o
```

Tables

Colons can be used to align columns.

Tables	Are	Cool
col 3 is	right-aligned	\$1600
col 2 is	centered	\$12
zebra stripes	are neat	\$1

Definitions

term definition

what Definition lists associate a term with a definition.

Math

A formula, $e^{i\pi} + 1 = 0$, inside a paragraph.

$$e^{i\pi} + 1 = 0$$

Super/Sub Scripts

m^2

$x^{2,y}$

x_z

$C_6H_{12}O_6$

Citations

Cite a source.[p. 42]¹

Black (2015)²

Task Lists

- [x] Completed task item
- [] Unfinished task item

Footnote

Here's a sentence with a footnote³ in the middle of it!

Emphasis

Emphasis, aka italics, with *asterisks*

Strong emphasis, aka bold, with **asterisks**.

Strikethrough .

Lists

1. First ordered list item
2. Another item
 - Unordered sub-list.
3. Actual numbers don't matter, just that it's a number

¹ John Doe. *A Totally Fake Book*. Vanity Press, 2006.

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³ This is the footnote.

1. Ordered sub-list
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You can have properly indented paragraphs within list items.

and unordered lists:

- Unordered list can use asterisks
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Links

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Blockquotes

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Quote break.

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Abbreviations

The HTML specification is maintained by the W3C.

[HTML]: Hyper Text Markup Language[W3C]: World Wide Web Consortium

Horizontal Rule

Three or more...

Hyphens

2.1.3 utKit (module)

Unit testing tools

Classes

<code>utKit(moduleDirectory[, dbConn])</code>	<i>Override dryx utKit</i>
---	----------------------------

Sub-modules

<code>utKit(moduleDirectory[, dbConn])</code>	<i>Override dryx utKit</i>
---	----------------------------

class `utKit` (*moduleDirectory*, *dbConn=False*)

Bases: `fundamentals.utKit.utKit`

Override dryx utKit

get_project_root ()

Get the root of the ``python`` package - useful for getting files in the root directory of a project

Return:

- `rootPath` – the root path of a project

refresh_database ()

Refresh the unit test database

setupModule ()

The setupModule method

Return

- `log` – a logger
- `dbConn` – a database connection to a test database (details from yaml settings file)
- `pathToInputDir` – path to modules own test input directory
- `pathToOutputDir` – path to modules own test output directory

tearDownModule ()

The tearDownModule method

2.2 Functions

<code>xxxpython_package_namexxx.docstring_test.docsting_test</code>	<i>the database object for sherlock, setting up ssh tunnels and various database connections</i>
---	--

2.2.1 docsting_test (function)

docsting_test (*self*)

the database object for sherlock, setting up ssh tunnels and various database connections

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↪consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse  
↪cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non  
↪proident, sunt in culpa qui officia deserunt mollit anim id est laborum."
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<code>xxxpython_package_namexxx.docstring_test</code>	<i>Testing the rendering of docstrings - feel free to remove this module</i>
<code>xxxpython_package_namexxx.utKit</code>	<i>Unit testing tools</i>

Classes

Functions

xxxpython_package_namexxx. docstring_test.docsting_test	<i>the database object for sherlock, setting up ssh tunnels and various database connections</i>
--	--

RELEASE NOTES

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