ReferencePackage

v. 0.3.0

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Chapter 1

Introduction

The Python package `ReferencePackage` is a reference package to test the documentation tool chain.

This reference package contains a set of Python source files, files in rst format (= **r**e **s**tructured **t**ext) and files in LaTeX format, that contain all layout elements that can be used for documentation:

- headlines
- links to files on external web servers
- imported pictures
- tables in rst format
- certain LaTeX styles (e.g. syntax highlighting for Robot Framework code and Python code, several admonitions)

The purpose is mostly to check manually - by simply taking a look at the content of the PDF output -, if all layout elements work properly. If it is possible and makes sense, later some tests might be automated also.

The reference package is part of the tests of the build repository and can be found here:

reference-package-test

The output - the generated PDF documentation - can be found here:

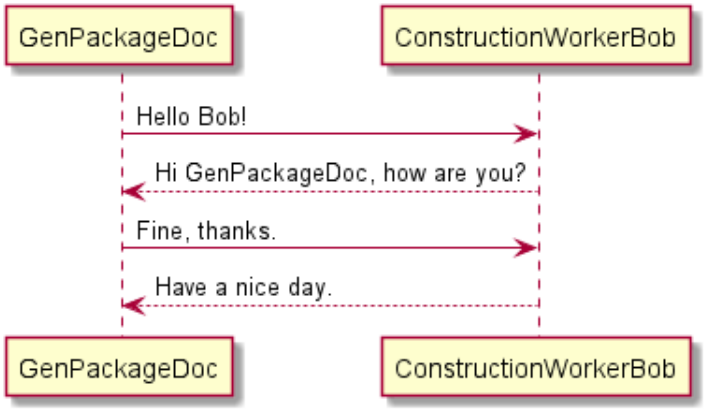
ReferencePackage.pdf

Chapter 2

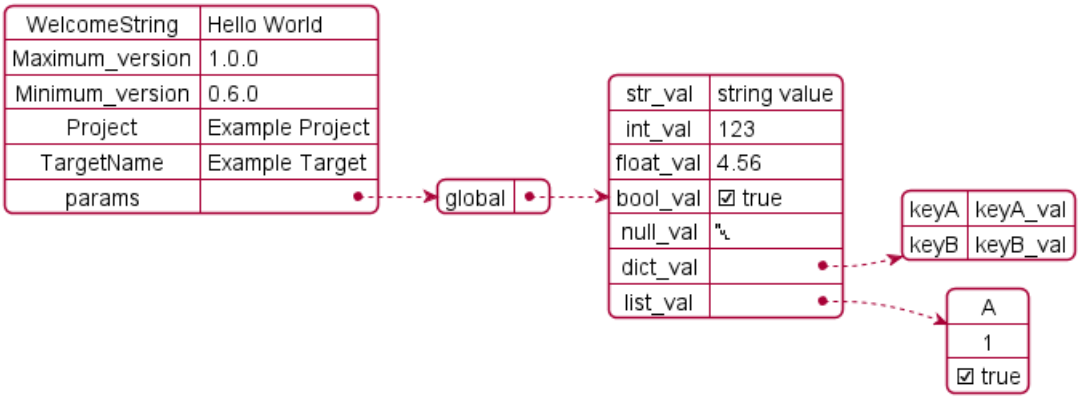
Diagrams

PlantUML support / render diagrams

Example 1: Sequence diagram



Example 2: Json diagram



Chapter 3

RST test 1

Headlines

3.1 Section 1 Headline

Content: RST test 1, Section 1 / RST test 1, Section 1 / RST test 1, Section 1 / RST test 1, Section 1 / RST test 1, Section 1 / RST test 1, Section 1

3.2 Section 2 Headline

Content: RST test 1, Section 2 / RST test 1, Section 2 / RST test 1, Section 2 / RST test 1, Section 2 / RST test 1, Section 2 / RST test 1, Section 2

3.2.1 Section 2 SubSection 1 Headline

Content: RST test 1, Section 2, SubSection 1 / RST test 1, Section 2, SubSection 1 / RST test 1, Section 2, SubSection 1 / RST test 1, Section 2, SubSection 1

3.2.2 Section 2 SubSection 2 Headline

Content: RST test 1, Section 2, SubSection 2 / RST test 1, Section 2, SubSection 2 / RST test 1, Section 2, SubSection 2 / RST test 1, Section 2, SubSection 2

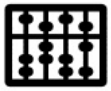
Chapter 4

RST test 2

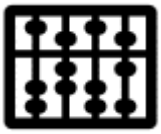
Pictures and tables

4.1 Picture import

Imported picture in jpg format:



Imported picture in png format:



4.2 Tables

Test table 1:

Table 4.1: test table 1

column 1	column 2
ABC	123456
DEFGHI	789

Chapter 5

LaTeX test 1

5.1 Section 1

Content: LaTeX test 1, Section 1 / LaTeX test 1, Section 1 / LaTeX test 1, Section 1 / LaTeX test 1, Section 1 / LaTeX test 1, Section 1

5.2 Section 2

Content: LaTeX test 1, Section 2 / LaTeX test 1, Section 2 / LaTeX test 1, Section 2 / LaTeX test 1, Section 2 / LaTeX test 1, Section 2

5.2.1 Section 2 Subsection 2.1

Content: LaTeX test 1, Section 2, Subsection 2.1 / LaTeX test 1, Section 2, Subsection 2.1 / LaTeX test 1, Section 2, Subsection 2.1

5.2.2 Section 2 Subsection 2.2

Content: LaTeX test 1, Section 2, Subsection 2.2 / LaTeX test 1, Section 2, Subsection 2.2 / LaTeX test 1, Section 2, Subsection 2.2

Chapter 6

LaTeX test 2

6.1 Internal links

Links to chapters (equivalent to imported files):

Link to chapter: Introduction

Link to chapter: RST test 1

Link to chapter: LaTeX test 1

Link to chapter: ReferenceModule_1.py

Links to sections

Headlines defined in additionally imported rst files and in additionally imported tex files must be unique over all additionally imported files!

Links to sections (level below `chapter`, equivalent to LaTeX command `section` or to top level headlines in rst files):

Link to section: rst test file 1, section 1

Link to section: LaTeX test file 1, section 2

Links to subsections (level below `section`, equivalent to LaTeX command `subsection` or equivalent to second level headlines in rst files):

Link to subsection: LaTeX test file 1, section 2, subsection 2.2

Links to classes in Python modules:

Link to class: Python module: ReferenceModule_1.py, class: CReference_1

Link to class with ambiguous name (1): Python module: ReferenceModule_1, class: CAmbiguousClass

Link to class with ambiguous name (2): Python module: ReferenceModule_sub_sub_1_1, class: CAmbiguousClass

Links to functions in Python modules:

Link to function with ambiguous name (1): Python module: ReferenceModule_1.py, function: AmbiguousFunction

Link to function with ambiguous name (2): Python module: ReferenceModule_sub_sub_1_1, function: AmbiguousFunction

Links to methods of classes in Python modules:

Link to method with ambiguous name (1): Python module: ReferenceModule_1.py, class: CReference_1, method: Method_1

Link to method with ambiguous name (2): Python module: ReferenceModule_sub_sub_1_1, class: CReference_sub_sub_1_1, method: Method_1

Chapter 7

ReferenceModule_1.py

Python module containing all methods to generate tex sources.

7.1 Function: AmbiguousFunction

ReferenceModule_1.py / AmbiguousFunction

7.2 Class: CReference_1

Imported by:

```
from ReferencePackage.ReferenceModule_1 import CReference_1
```

ReferenceModule_1.py / CReference_1

7.2.1 Method: Method_1

ReferenceModule_1.py / CReference_1 / Method_1

7.2.2 Method: Method_2

ReferenceModule_1.py / CReference_1 / Method_2

7.2.3 Method: Method_3

ReferenceModule_1.py / CReference_1 / Method_3

7.3 Class: CAmbiguousClass

Imported by:

```
from ReferencePackage.ReferenceModule_1 import CAmbiguousClass
```

ReferenceModule_1.py / CAmbiguousClass

7.3.1 Method: Method_1

ReferenceModule_1.py / CAmbiguousClass / Method_1

Chapter 8

ReferenceModule_2.py

Python module containing all methods to generate tex sources.

8.1 Function: AmbiguousFunction

ReferenceModule_2.py / AmbiguousFunction

8.2 Class: CReference_2_A

Imported by:

```
from ReferencePackage.ReferenceModule_2 import CReference_2_A
```

ReferenceModule_2.py / CReference_2_A

8.2.1 Method: Method_1

ReferenceModule_2.py / CReference_2_A / Method_1

8.2.2 Method: Method_2

ReferenceModule_2.py / CReference_2_A / Method_2

8.2.3 Method: Method_3

ReferenceModule_2.py / CReference_2_A / Method_3

8.3 Class: CReference_2_B

Imported by:

```
from ReferencePackage.ReferenceModule_2 import CReference_2_B
```

ReferenceModule_2.py / CReference_2_B

8.3.1 Method: Method_1

ReferenceModule_2.py / CReference_2_B / Method_1

8.3.2 Method: Method_2

ReferenceModule_2.py / CReference_2_B / Method_2

8.3.3 Method: Method_3

ReferenceModule_2.py / CReference_2_B / Method_3

Chapter 9

ReferenceModule_sub_1.py

Python module containing all methods to generate tex sources.

9.1 Function: AmbiguousFunction

ReferenceModule_sub_1.py / AmbiguousFunction

9.2 Class: CReference_sub_1

Imported by:

```
from ReferencePackage.sub_1.ReferenceModule_sub_1 import CReference_sub_1
```

sub_1 / ReferenceModule_sub_1.py / CReference_sub_1

9.2.1 Method: Method_1

sub_1 / ReferenceModule_sub_1.py / CReference_sub_1 / Method_1

9.2.2 Method: Method_2

sub_1 / ReferenceModule_sub_1.py / CReference_sub_1 / Method_2

9.2.3 Method: Method_3

sub_1 / ReferenceModule_sub_1.py / CReference_sub_1 / Method_3

9.3 Class: CAmbiguousClass

Imported by:

```
from ReferencePackage.sub_1.ReferenceModule_sub_1 import CAmbiguousClass
```

ReferenceModule_sub_1.py / CAmbiguousClass

9.3.1 Method: Method_1

ReferenceModule_sub_1.py / CAmbiguousClass / Method_1

Chapter 10

ReferenceModule_sub_sub_1_1.py

Python module containing all methods to generate tex sources.

10.1 Function: AmbiguousFunction

ReferenceModule_sub_sub_1_1.py / AmbiguousFunction

10.2 Class: CReference_sub_sub_1_1

Imported by:

```
from ReferencePackage.sub_1.subsub_1_1.ReferenceModule_sub_sub_1_1 import
↪  CReference_sub_sub_1_1
```

sub_1 / sub_sub_1_1 / ReferenceModule_sub_sub_1_1.py / CReference_sub_sub_1_1

10.2.1 Method: Method_1

sub_1 / sub_sub_1_1 / ReferenceModule_sub_sub_1_1.py / CReference_sub_sub_1_1 / Method_1

10.2.2 Method: Method_2

sub_1 / sub_sub_1_1 / ReferenceModule_sub_sub_1_1.py / CReference_sub_sub_1_1 / Method_2

10.2.3 Method: Method_3

sub_1 / sub_sub_1_1 / ReferenceModule_sub_sub_1_1.py / CReference_sub_sub_1_1 / Method_3

10.3 Class: CAmbiguousClass

Imported by:

```
from ReferencePackage.sub_1.subsub_1_1.ReferenceModule_sub_sub_1_1 import
↪  CAmbiguousClass
```

ReferenceModule_sub_sub_1_1.py / CAmbiguousClass

10.3.1 Method: Method_1

ReferenceModule_sub_sub_1_1.py / CAmbiguousClass / Method_1

Chapter 11

ReferenceModule_sub_2.py

Python module containing all methods to generate tex sources.

11.1 Class: CReference_sub_2_A

Imported by:

```
from ReferencePackage.sub_2.ReferenceModule_sub_2 import CReference_sub_2_A
```

sub_2 / ReferenceModule_sub_2.py / CReference_sub_2_A

11.1.1 Method: Method_1

sub_2 / ReferenceModule_sub_2.py / CReference_sub_2_A / Method_1

11.1.2 Method: Method_2

sub_2 / ReferenceModule_sub_2.py / CReference_sub_2_A / Method_2

11.1.3 Method: Method_3

sub_2 / ReferenceModule_sub_2.py / CReference_sub_2_A / Method_3

11.2 Class: CReference_sub_2_B

Imported by:

```
from ReferencePackage.sub_2.ReferenceModule_sub_2 import CReference_sub_2_B
```

sub_2 / ReferenceModule_sub_2.py / CReference_sub_2_B

11.2.1 Method: Method_1

sub_2 / ReferenceModule_sub_2.py / CReference_sub_2_B / Method_1

11.2.2 Method: Method_2

sub_2 / ReferenceModule_sub_2.py / CReference_sub_2_B / Method_2

11.2.3 Method: Method_3

sub_2 / ReferenceModule_sub_2.py / CReference_sub_2_B / Method_3

Chapter 12

Appendix

About this package:

Table 12.1: Package setup

Setup parameter	Value
Name	ReferencePackage
Version	0.3.0
Date	09.05.2023
Description	Reference package for documentation test
Package URL	reference-package-test
Author	Holger Queckenstedt
Email	Holger.Queckenstedt@de.bosch.com
Language	Programming Language :: Python :: 3
License	License :: OSI Approved :: Apache Software License
OS	Operating System :: OS Independent
Python required	>=3.0
Development status	Development Status :: 3 - Alpha
Intended audience	Intended Audience :: Developers
Topic	Topic :: Software Development

Chapter 13

History

0.1.0	09/2022
Initial version	
0.2.0	19.09.2022
Python modules of `ReferencePackage` extended	
0.3.0	09.05.2023
`PlantUML` test added	

ReferencePackage.pdf

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