

# 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 (= **re structured text**) 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:

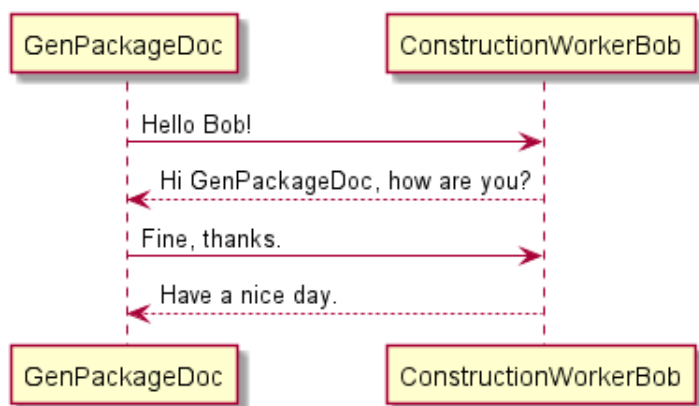
[ReferencePackage.pdf](#)

# Chapter 2

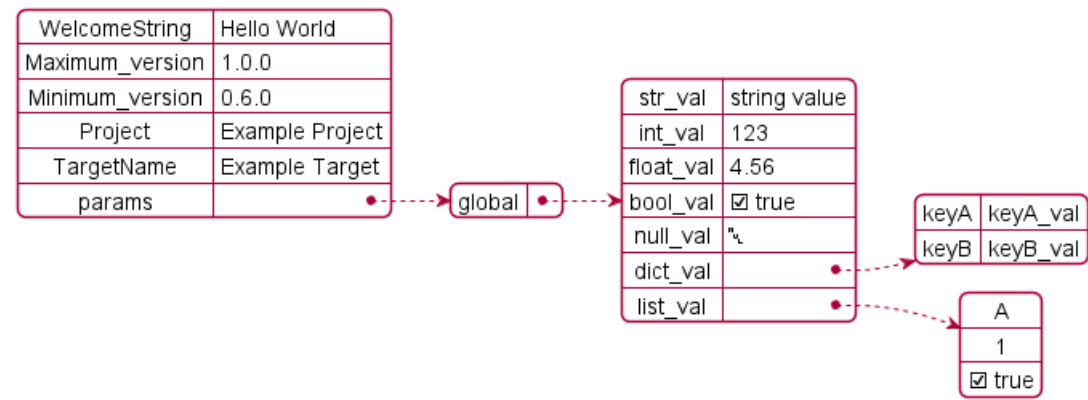
## Diagrams

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 / 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 / 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

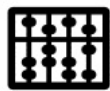
# Chapter 4

## RST test 2

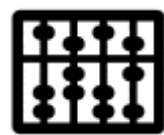
### Pictures and tables

#### 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: [Ambiguous-Function](#)

**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	<a href="#">reference-package-test</a>
Author	Holger Queckenstedt
Email	<a href="mailto:Holger.Queckenstedt@de.bosch.com">Holger.Queckenstedt@de.bosch.com</a>
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

<b>0.1.0</b>	09/2022
<i>Initial version</i>	
<b>0.2.0</b>	19.09.2022
<i>Python modules of ReferencePackage extended</i>	
<b>0.3.0</b>	09.05.2023
<i>PlantUML test added</i>	