

Common Lisp Documentation Weaver

Mariano Montone (marianomontone@gmail.com)

Copyright © 2021 Mariano Montone

Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, with no Front-Cover Texts, and with no Back-Cover Texts. A copy of the license is included in the section entitled “GNU Free Documentation License”.

Table of Contents

1	Introduction	1
2	Installation	2
3	Usage	3
4	Commands	4
5	API	5
6	Index	6

1 Introduction

CL-DOCWEAVER is a document weaver for Common Lisp.

Documentation for a Lisp project can be written using (potentially) any tool chosen by the user (like Texinfo, Markdown, etc). Then, Common Lisp definitions are referenced and embedded from the documentation source using some commands.

CL-DOCWEAVER is easy to extend to support different documentation tools.

Texinfo and Markdown are the ones with best support at this moment.

2 Installation

3 Usage

Invoke See [DOCWEAVER:WEAVE-FILE function], page 5 on your documentation source files.

4 Commands

@clfunction (*function-symbol &rest args*) [Command]

Displays function bound to FUNCTION-SYMBOL.

Example:

Have a look at (`@clfunction alexandria:flatten`) function

@clpackage (*package-name &key (include-external-definitions t) include-internal-definitions (categorized t)*) [Command]

Displays PACKAGE-NAME package description.

If INCLUDE-EXTERNAL-DEFINITIONS is T, then all package external definitions are shown.

If INCLUDE-INTERNAL-DEFINITIONS is T, then all package internals definitions are shown.

If CATEGORIZED is T, then definitions appear categorized in sections (variables, functions, etc).

Example:

(`@clpackage :alexandria`)

@clref (*symbol type*) [Command]

Creates a reference to SYMBOL. TYPE should be one of 'variable', 'function', 'class', etc.

Example:

(`@clref alexandria:flatten, function`)

5 API

DOCWEAVER

[PACKAGE]

External definitions

Functions

WEAVE-FILE (*file output-file &rest options &key docsystem* [DOCWEAVER]
modules command-prefix (parse-docstrings t))

Weaves documentation source in *FILE* and writes the result to *OUTPUT-FILE*.

Arguments:

- **DOCSYSTEM**: specify the documentation tool that is being used (*:texinfo*, *:markdown*, etc.).
- **MODULES**: is the list of *modules* (or ASDF system names) that need to be loaded to be able to read definition descriptions.
- **COMMAND-PREFIX**: is the character to use as prefix for commands. The character ‘at’ is the default.
- **PARSE-DOCSTRINGS**: if *T*, then docstings are parsed and highlighted and references to code from it created.

6 Index

(Index is nonexistent)

(Index is nonexistent)

@

@clfunction.....	4
@clpackage.....	4
@clref.....	4

D

DOCWEAVER:WEAVE-FILE.....	5
---------------------------	---

W

WEAVE-FILE.....	5
-----------------	---