Project "PRJ-001"

Sample Protocol Specification

Revision 1.1

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1 An Overview

This package defines a new environment 'thecommand'. This environment allows the description of a 'communication command' or 'programming function'. So this package will only be important for programmers.

The package understand three options. `[bf]` print the labels in bold face, while `[it]` (the default) use `\emph{}`. `[english]` switch the label names from German to English.

The environment 'thecommand' has two parameter. One is optional and the other must be given. The needed one is the name of the command. This name is typeset between two horizontal lines. This line introcude the decription. The optional parameter is used as parameter for a call to `\index{}`! So if want to use an index, use this parameter! NOTE: you have to insert calls to `\makeindex` and `\printindex` in your document!

Inside the environment, the author can use special item-commands. Each of this items print a label which describe the type of the description text.

The following item-commands are available:

- `\pdSyntax`: the general format of the command / function. This could be a abstract command or a function prototyp.

- `\pdCmdCode`: the command code etc.

- `\pdParam`: all given paramters

- `\pdReturn`: the returned value / data structure

- `\pdDesc`: the decription of the whole thing.

- `\pdSample`: this is the place to insert a sample

- `\pdSeeAlso`: textual references to other command names etc.

- `\pdCmdItem`: insert the parameter as 'user defined' label.

2 The Commands

This is a simple example of message used in a protocol which is based on ASCII strings. Each message starts with an command and may have named parameters.

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Message "'MOUNT'"

Syntax:	`MOUNT idx=`*`<index>`* `path='`*`<dir>`*`'`
Parameters:	*<index>* is the index number of the drive.
Parameters:	*<dir>* is the base path to the mounted drive.
Sample:	`MOUNT idx=0 path='/media/usb/drive0'`
Description:	Here we can add some descriptional text. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.
See also:	`UMOUNT`
foobar:	just a sample.

Message "'UMOUNT'"

Syntax:	`UMOUNT idx=`*`<index>`* `path='`*`<dir>`*`'`
Parameters:	*<index>* is the index number of the drive.
Parameters:	*<dir>* is the base path to the removed drive.
Sample:	`UMOUNT idx=0 path='/media/usb/drive0'`
Description:	Here we can add some descriptional text. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.
See also:	`MOUNT`