

Package TEMPLATE - A Package Example

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1. Documentation For Package TEMPLATE

1.1. Template - A Package Example

1.1.1. Structure Of The Document

The structure of the document is generated by using the following commands:

- `\section{}`
- `\subsection{}`
- `\subsubsection{}`
- `\paragraph{}`
- `\subparagraph{}`

Between the curly brackets place the title of the current section. What this looks like in concrete terms can be seen in the [Appendix of this package](#) (Page 7).

Itemizing can be achieved in three different ways:

itemize With itemize an unnumbered list is generated, that could look like this:

- first item
- second item
 - first subitem
 - second subitem

This item list was generated by the following L^AT_EX-Code:

```
\begin{itemize}
\item first item
\item second item
  \begin{itemize}
    \item first subitem
    \item second subitem
  \end{itemize}
\end{itemize}
```

enumerate With enumerate a numbered list is generated, that could look like this:

1. first item
2. second item
 - a) first subitem

b) second subitem

This item list was generated by the following \LaTeX -Code:

```
\begin{enumerate}
\item first item
\item second item
  \begin{enumerate}
    \item first subitem
    \item second subitem
  \end{enumerate}
\end{enumerate}
```

description With `description` an unnumbered list with introductory words in bold is generated (see the source of this documentation).

1.1.2. Special Commands For The `fli4l` Documentation

In the `fli4l` documentation some commands and environments are defined, that simplify the writing of documentation and ensure uniform appearance. These are basically the following:

config Description of a config variable in the following format:

```
\config{var_1...}{index}{label}{description}.
```

The variables are listed in bold type and prefix the description. In addition, an entry in the index and a label is created that can be used to access this variable quickly. This might look as follows:

FOO_N FOO_x Description Of Configuration For **FOO_N** and **FOO_x**

This is generated by the following \LaTeX -Code:

```
\begin{description}
  \config{FOO\_N FOO\_x}{FOO\_N}{FOON}{Description Of Configuration
    For \var{FOO\_N} and \var{FOO\_x}}
\end{description}
```

In the index the keyword `FOO_N` appears and by the help of `\jump{FOON}` a reference to this part may be generated.

In order to generate lists of differences between versions properly it is necessary that the label (in this case `FOON`) is identical with the index (here `FOO_N`), but without underscores.

Hence: Index: `FOO_N` => Label: `FOON`.

When describing more variables the environment „description“ only needs to be opened and closed once.

configlabel Insert an index entry and a label for a variable. In the example above we have described two variables, but only for (FOO_N) an index entry and a label was generated. For FOO_x this has to be done separately, by adding the following line:

```
\configlabel{FOO\_x}{FOOx}.
```

This might look as follows:

```
\begin{description}
  \configlabel{FOO\_x}{FOOx}
  \config{FOO\_N  FOO\_x}{FOO\_N}{FOON}{Description Of Configuration
    For \var{FOO\_N} und \var{FOO\_x}}
\end{description}
```

marklabel Sets a label that can be referenced from other locations in the document. In this way it is possible to reference sections by starting the sections as follows:

```
\marklabel{sec:fli4lenv}{
  \subsection{Special Commands For The fli4l Documentation}
}
```

jump With `\jump{label}{text}` a clickable (i.e. in html/pdf format) reference to another part of the document can be generated. If we want to jump to the description for variable FOO_x we write:

```
(\jump{FOOx}{\var{FOO\_x}})
```

In the text this looks like this: (FOO_x (Page 4))

smalljump „Small jump“, like jump, but without page number appended (pdf/ps). Example:

```
(\smalljump{FOOx}{\var{FOO\_x}})
```

In the text this looks like this: (FOO_x)

altlink With `\altlink{url}` an URL is inserted into the document i.e. a reference to fli4l's website might look like this: <http://www.fli4l.de>, generated by the statement:

```
\altlink{http://www.fli4l.de}
```

Attention: the old command `\link{url}` is deprecated and should not be used anymore.

achtung, wichtig With `\achtung{text}` and `\wichtig{text}` passages may be highlighted in the text.

```
\achtung{Please_note_that...} will become:
```

Please note that...

and `\wichtig{Please_note_that...}` will become:

Important: *Please note that...*

email Specifying an E-Mail-Address in the form `\email{foo@bar.org}`, in the text looks like this:

email: `foo@bar.org`

var Since variables look ugly when just being inserted in the text, they might be bracketed with `\var{FOO_x}` and get formatted different. This looks as follows: `FOO_x` versus `FOO_x`

example Examples tend to occupy a lot of space. Therefore they should be bracketed with `\begin{example}\dots\end{example}` and hence will be uniformly set in a slightly smaller font.

A. Appendix For Package TEMPLATE

A.1. section

This appendix is empty and only an exmaple for the structure.

A.1.1. subsection

This is a subsection.

subsubsection

This is a subsubsection.

paragraph This is a paragraph.

subparagraph This is a subparagraph.

List of Figures

List of Tables

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