# The todonotes package\*

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#### Abstract

The todonotes package allows you to insert to—do items in your document. At any point in the document a list of all the inserted to—do items can be listed with the \listoftodos command.

# Contents

1	Introduction		2
	1.1	Usage	2
	1.2	Package options	
	1.3	Options for the todo command	Ę
	1.4	Options for the missingfigure command	8
	1.5	Options for the listoftodos command	ę
	1.6	Known issues	Ć
	1.7	Things to improve	12
	1.8	Usage methods	13
2	Implementation		20
	2.1	Declaration of options for the package	20
	2.2		24
	2.3	The main code part	27

<sup>\*</sup>This document corresponds to to donotes v1.1.6, dated 2023/01/31.

# 1 Introduction

The todonotes package makes four commands available to the user: \todo[]{}, \missingfigure{} and \listoftodos. \todo[]{} and \missingfigure{} makes it possible to insert notes in your document about things that has to be done later (todonotes ...). The \todostyle command allows the user to define named custom styles as abbreviations for lists of other options that can be given to the \todo command. I developed the basic functionality of the package while I worked on my bachelor project.

Some alternatives for the todonotes package are:

• easy-todo

Depends on color, tocloft and ifthen, small feature set.

fixmetodonotes

Depends on graphicx, color, transparent, watermark, fix-cm, ulem and tocloft, small feature set.

todo

Depends on amssymb, medium feature set.

• fixme

Large package with a lot of features.

The main reason for considering other packages is that the todonotes package is quite large and relies heavily on tikz. This can slow down compilation of large documents significantly. The mentioned alternatives have a different feature set and does not rely on tikz, which makes them require fewer resources.

# 1.1 Usage

\todo My most common usage of the todonotes package, is to insert an todonotes somewhere in a latex document. An example of this usage is the command

\todo{Make a cake \ldots},

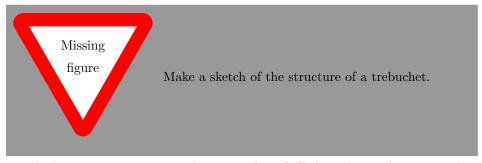
Make a cake ...

which renders like. The \todo command has this structure:  $\todo [\langle options \rangle] \{\langle todo text \rangle\}$ . The todo text is the text that will be shown in the todonote and in the list of todos. The optional argument options, allows the user to customize the appearance of the inserted todonotes. For a description of all the options see section 1.3.

\missingfigure

The \missingfigure command inserts an image containing an attention sign and the given text. The command takes only one argument \missingfigure { $\langle text \rangle$ }, a text string that could describe what the figure should consist of. An example of its usage could be

\missingfigure{Make a sketch of the structure of a trebuchet.} which renders like.



\listoftodos

The \listoftodos command inserts a list of all the todos in the current document. \listoftodos takes no arguments. For this document the list of to–do's looks like.

# Todo list

	Make a cake
Fig	gure: Make a sketch of the structure of a trebuchet
	And a green note
	Anything but default colors
	A note without a shadow
	A note with a shadow
	Test of option
	A note with no line connecting it to the placement in the original text • 6
	A todonote placed in the text
	Fill those circles
	A note with a large font size
	Note with very small font size
	Short note
	Short note with prepend
	Short note with noprepend
	Testing
	Testing author option
	Testing author option
	Testing the option inlinewidth
	Testing the option inlinepar
Fig	gure: Testing a long text string
Fig	gure: Testing a long text string
	gure: Add an image
Fig	gure: Testing
Fig	gure: Testing figcolor
	description
	Test of newly defined command
	Test of newly defined command, requesting a green color
	A todo with user-defined style red
	1: A numbered todonote
	2: Another numbered todonote
	Comment [HSM1]: Testing first time
	Comment [HSM2]: Testing second time

Some lines with a decreased line spacing. This is accomplished using the setspace package that is included in standard latex distributions 1
Some lines with a decreased line spacing. This is accomplished without
using any special packages
2do
Translation
Translation
1.8.9. A numbered todo
1. Small notes with links back to the list of todos
1. Smart notes with links back to the list of todos
fix text
Testing
Testing
Testing
Testing

\todototoc

 $\todostyle{\langle name \rangle} {\langle style \rangle}$ 

The \todototoc command adds an entry to the table of contents for list of todos. The command should be placed right before the \listoftodos command.

The \todostyle command defines a new optional argument to the \todo command  $\langle name \rangle$  which sets the options given by  $\langle style \rangle$ . For instance, after issuing

\todostyle{red}{color=red,shadow}

the command \todonote[red]{Stuff} has the same effect as:

\todonote[color=red,shadow]{Stuff}

Defined styles should be used as the first optional argument to \todo, as they reset all predefined options to their defaults.

#### 1.2 Package options

disable If the option disable is passed to the package, the macros usually defined by the package (\todo, \listoftodos and \missingfigure) are defined as macros with no effect, and thus all inserted notes are removed.

obeyDraft, obeyFinal

When the option obeyDraft is given, the package checks if the one of the options draft, draftcls or draftclsnofoot is given (this option is usually given to the document class). If the draft option is given, the functionality of the package is enabled and otherwise the effect of the package is disabled. The option obeyFinal does something similar, except that the todonotes package is only disabled if the final option given.

danish, german, ngerman, croatian

Use translations of the text strings "List of todos" and "Missing figure". The english, french, swedish default is to use none of these options, which results in english text strings. Curspanish, catalan, italian rently the following languages are supported: catalan, croatian, danish, dutch, portuguese, dutch, english, french, german, ngerman, italian, portuguese, spanish and swedish.

Adds a small colored square in front of all items in the Todo list. The color of colorinlistoftodos the square is the same as the fill color of the inserted todonote. This can be useful if there are different types of todos (insert reference, explain in detail, ...) where the color of the inserted todonote marks the type of todo.

color textcolor linecolor

bordercolor

These options sets the default colors for the todo command. There are four colbackgroundcolor ors that can be specified. The border color (default bordercolor=black) around

4

the inserted text, the color behind the inserted text (default backgroundcolor=orange), the color of the inserted text (default textcolor=black) and the color of the line connecting the inserted textbox with the current location in the text (default linecolor=orange). Setting the color option to val passes this value on to the background and line color options. The specified colors must be valid according to the xcolor package.

tickmarkheight

tickmarkheight=length set the height of the tickmark at the location where the todo is inserted, the default value is Opt.

textwidth

textwidth=length sets the width of a todo item in the margin to length. The width of inline todonotes defaults to the width of the current \linewidth but can be adjusted using the inlinewidth option.

textsize

textsize=value sets the default text size of the inserted todonotes to the given value. Value is the "name" of the used font size, eg. if the desired fontsize is \tiny use textsize=tiny. The default value is textsize=normalsize.

prependcaption

The prependcaption option triggers a special behaviour of the caption=val option for the todo command, where the given value val is inserted in the inserted todonote.

loadshadowlibrary

If given, the shadows tikz library will be loaded. This is required for adding shadows to the inserted todonotes.

shadow

If the shadow option is given, the inserted todonotes will by default be displayed with a gray shadow. For this to work, the package option loadshadowlibrary must be provided. I expect that the option will trigger problems with tikz versions

dvistyle

When a document with todonotes is compiled with plain latex (to a dvi-file), there is an issue with the visual appearance<sup>1</sup>. The option dvistyle changes the appearance of the inserted todonotes to avoid this problem.

figwidth

The figwidth=length option sets the default width of the figure inserted by the \missingfigure command. The default value is \linewidth.

#### 1.3 Options for the todo command

There are several options that can be given to the \todo command. All the options are described here and often I have included examples of the change in visual appearance. Default values for these options can be set using the setuptodonotes command.

\setuptodonotes{fancyline, color=blue!30}

disable

The disable option can be given directly to the todo command. If given the command has no effect.

color bordercolor

And a green note

These options set the color that is used in the current todo command. The backgroundcolor color classes is the same as used in the color package options, see section 1.2. textcolor Default values can be set by the color options when the todonotes package is linecolor loaded. The todo notes inserted in this paragraph is created with the command \todo[color=green!40]{And a green note}. The color of the inserted note could be used to mark different types of tasks (insert references, explain something in detail, ...), this could be streamlined by defining new commands like below.

\newcommand{\insertref}[1]{\todo[color=green!40]{#1}}

<sup>&</sup>lt;sup>1</sup>The problem is placement of text inside the colored boxes.

Anything but default colors An example that uses all of the color options is given below.

\todo[linecolor=green!70!white, backgroundcolor=blue!20!white, bordercolor=red, textcolor=yellow]{Anything but default colors}.

shadow / noshadow

If the package is loaded with the shadow option, a shadow is added to all notes, otherwise no shadows are shown. This global setting can be overwritten by the shadow and noshadow options to the todo command. To insert a note with and without shadows, use the shadow and noshadow options as shown here:

A note without a shadow
A note with a shadow

Test of option.

\todo[shadow]{A note with a shadow}
\todo[noshadow]{A note without a shadow}

tickmarkheight

tickmarkheight=length set the height of the tickmark at the location where the todo is inserted. An example of the option in use is shown here.

\todo[tickmarkheight=0.1cm]{Test of option.}

line / noline

If you want to get rid of the line connecting the inserted note with the place in the text where the note occurs in the latex code, the option noline can be used. \todo[noline]{A note with no line ...}

A note with no line connecting it to the placement in the original text.

inline / noinline

It is possible to place a todonote inside the text instead of placing it in the margin, this could be desirable if the text in the note has a considerable length. \todo[inline]{A todonote placed in the text}

# A todonote placed in the text

Another usage for the inline option is when you want to add a todonote to a figure caption.

\begin{wrapfigure}{r}[20mm]{40mm}
\begin{tikzpicture}
\draw[red] (0, 0) circle(0.45);
\draw[green] (1, 0) circle(0.45);
\draw[blue] (2, 0) circle(0.45);
\end{tikzpicture}
\caption{A text explaining the image.
\todo[inline]{Fill those circles \ldots}}
\end{wrapfigure}



Figure 1: A text explaining the image.

Fill those circles ...

size

 ${\tt size=val}$  changes the size of the text inside the todo note. The commands used to create the notes below are

\todo[size=\Large]{A note with a large font size.} and \todo[inline, size=\tiny]{Note with very small font size.}.

Note with very small font size.

list / nolist

A note with a

large font size.

When the option nolist is given, the todo item will not appear in the list of

caption

A very long and tedious note that cannot be on one line in the list of todos.

todos.

The caption option enables the user to specify a short description of the todonote that are inserted in the list of todos instead of the full todonote text.

\todo[caption={Short note}]{A very long and tedious note that cannot be on one line in the list of todos. }.

prepend / noprepend

Short note with prepend: A very long and tedious note that cannot be on one line in the list of to-

A very long and tedious note that cannot be on one line in the list of todos.

fancyline

Testing.

Xavier

author

Testing author option.

The effect of this option is altered with the package option prependcaption or the prepend / noprepend option for the todo command.

The options prepend and noprepend can be used for setting whether a given caption should be prepended to the todonote or not. Globally this can be set using the prependcaption option for the package. Below is the effect of the option shown using the code:

\todo[prepend, caption={Short note with prepend}]{A very long and tedious note that cannot be on one line in the list of todos. }. \todo[noprepend, caption={Short note with noprepend}]{A very long and tedious note that cannot be on one line in the list of todos.}.

The fancyline option inserts a curved arrow, pointing from the inserted note to the insertion point. The option is used like this:

\todo[fancyline]{Testing.}

The author option takes a parameter, the name of the author. The given name is inserted in the todonote.

Xavier: Testing author option.

\todo[author=Xavier]{Testing author option.} \todo[author=Xavier, inline]{Testing author option.}

inlinewidth

The inlinewidth option makes it possible to alter the width of inline todos.

Testing the option inlinewidth.

\todo[inline, inlinewidth=5cm]{Testing the option inlinewidth.}

inlinepar / noinlinepar

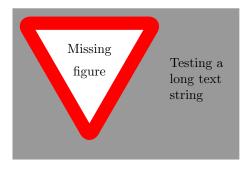
The options inlinepar and noinlinepar (default) determine whether the inserted inline todonote is sorrounded with par macros that enforce new lines Testing the option inlinepar. prior to and after inserted inline todonotes. This is a line after the inserted todonote.

\todo[inline, inlinewidth=5cm, noinlinepar]{Testing the option inlinepar.}

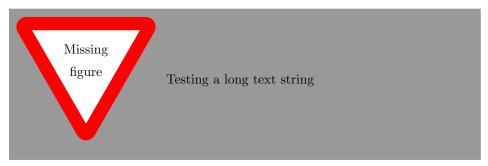
# 1.4 Options for the missingfigure command

figwidth The figwidth=length option sets the width of the figure inserted by the \missingfigure command. Length values below 6cm might trigger some problems with the visual appearance. Try to compare the default of the missing figure command, when the option is given or not.

\missingfigure[figwidth=6cm]{Testing a long text string}

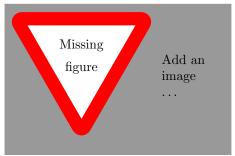


\missingfigure{Testing a long text string}



Another usage of the option is when \missingfigure is used in the wrapfigure environment.

\begin{wrapfigure}[1]{r}[2cm]{6cm}
\missingfigure[figwidth=6cm]{Add an image \ldots}
\end{wrapfigure}



The figheight=length option changes the height of the inserted missing figure. The default height is 4cm and using values lower than this might cause the warning sign to pop out of the gray area.

\missingfigure[figheight=6cm]{Testing a long text string}



figcolor The figcolor=color options sets the background color of inserted missing figures. The default color is black!40.

\missingfigure[figcolor=white]{Testing figcolor}



# 1.5 Options for the listoftodos command

The  $\$ listoftodos command takes one optional argument, that defines the name of the inserted list of todos.

\listoftodos[I can be called anything]

# 1.6 Known issues

# 1.6.1 Package loading order

The todonotes package requires the following packages.

ullet ifthen ullet tikz

• xkeyval

graphicx (is loaded via the tikzxcolorpackage)

When to donotes are loaded in the preamble, the package checks if these packages all are loaded. If that is not the case it loads the missing packages with no options given. If you want to give some specific options to some of these packages, you have to load them *before* the to donotes package, otherwise you will get an "Option clash" error when latex works on the document.

If both the menukeys and the xcolor (with the option table) package should be loaded, the following order must be used.

```
\usepackage[table]{xcolor}
\usepackage{todonotes}
\usepackage{menukeys}
```

The following packages must be loaded before the todonotes package:

• polyglossia

# 1.6.2 Wrapping of long lines in list of todos

When a document is compiled with latex (and not pdflatex) long items in the list of todos are not wrapped into several lines, and do instead continue to the right out of the page.

#### 1.6.3 Conflicts with the amsart documentclass

The amsart document class redefines some internal commands that is used by the todonotes package, this will cause an malfunctioning \listoftodos command. The following code to circumvent the problem was given by Dan Luecking on comp.text.tex

```
\makeatletter
  \providecommand\@dotsep{5}
\makeatother
\listoftodos\relax
```

#### NOT TESTED NOT TESTED NOT TESTED

Dominique suggests the following workaround.

```
\makeatletter
\providecommand\@dotsep{5}
\def\listtodoname{List of Todos}
\def\listoftodos{\@starttoc{tdo}\listtodoname}
\makeatother
```

# 1.6.4 Unknown option "remember picture"

If latex throws the error

Package tikz Error: I do not know what to do with the option "remember picture".

It probably means that your latex installation is outdated, as only newer versions of latex driver for tikz supports the remember picture option. For additional info consult "Section 9.2.2 Producing PDF Output" in the tikz manual. http://www.ctan.org/tex-archive/graphics/pgf/base/doc/generic/pgf/pgfmanual.pdf

#### 1.6.5 Todonotes wrongly placed in the margin

When using some document classes or packages, the todonotes inserted in the page margin can be placed quite oddly. This is often caused by a wrong value of the \marginparwidth lenght. Try using the code below in your preamble to see if this cures the problem.

\setlength{\marginparwidth}{2cm}

If the todonotes are inserted in the wrong margin, the solution is the \reversemarginpar command. When this command is issued the following marginpars (which todonotes relies on) is inserted in the other margin.

#### 1.6.6 Reduce number of warnings

If the width of the inserted todonotes is forced to be larger than the available space in the margin, a lot of warnings are issued. This can be reduced with the following code.

```
\usepackage[textwidth=3.7cm]{todonotes}
\setlength{\marginparwidth}{3.7cm}
```

#### 1.6.7 Todonotes in footnotes

Placing todonotes in footnotes throws a lot of errors. However inline notes seems to work fine, as shown here <sup>2</sup>:

```
\footnote{Note \todo[inline]{description}}
```

Richard Stanton comes with the following work around.

\renewcommand{\marginpar}{\marginnote}

#### 1.6.8 Trouble with classicthesis.sty

Problem description on tex.stackexchange.com.

Solution by Stefan Kottwitz. The problem is caused by the redefinition of \marginpar in classicthesis.sty. \marginpar is used by todonotes. It can be fixed by restoring the original meaning, if you don't need the classicthesis marginpar style. Just add this to your document preamble: \let\marginpar\oldmarginpar

<sup>&</sup>lt;sup>2</sup>Note description

#### 1.6.9 Todos in math and floating environments

It is not possible to insert todonotes into math environments or floating environments like figure or table. By replacing the marginpar command with a marginnote this can be enabled. For todos inside math environments the todo must be placed in an mbox or \textrm command.

```
\documentclass{article}
\usepackage{todonotes}
\usepackage{marginnote}
\let\marginpar\marginnote

\begin{document}
\begin{equation}
a^2=b^2+c^2 \textrm{\todo{Test}}
\end{equation}
\begin{figure}
\centering
\caption{Caption\todo{tests}.}
\label{fig}
\end{figure}
```

#### 1.6.10 Conflict between marginpar and the standalone class

The standalone document class is not compatible with the \marginpar command, which is used in the todonotes package to insert contents in the side margins. A workaround is to replace the \marginpar with \marginnote. This is demonstrated here:

```
\documentclass[crop=false]{standalone}
\usepackage{todonotes}
\usepackage{marginnote}
\let\marginpar\marginnote
\begin{document}
Lorem ipsum
\todo{Bug}
\end{document}
```

#### 1.6.11 Issues with user-defined styles

Using an option defined using \todostyle will reset all predefined options to their defaults. For instance, \todo[inline,newstyle]{Stuff} will not be inline; however \todo[newstyle,inline]{Stuff} will be.

\todostyle does not check if the name of the defined style is already one of the defined options, so, e.g., \todostyle{inline}{color=red} will redefine the inline option to produce red marginal notes.

# 1.7 Things to improve

This is a list of things I consider to improve sometime in the future. It have not been done yet as I lack the time or skills to implement them. Patches with

implementations of these tasks will be appreciated and might be included in the package if it will improve the package quality.

#### 1.7.1 Owner information

Option for the todo command.

```
\todo[owner={Fabrice}]{Stuff}
```

Add info on who "owns" the current todo. Idea: Fabrice Niessen

#### 1.7.2 Due date

Option for the todo command.

```
\todo[due=2008-12-07]{Stuff}
```

Add info on when the current todo is due. Might be enhanced by a time line of the todos that have a due date assigned. Idea: Fabrice Niessen

#### 1.7.3 Mark accomplished todos

\todo[done]{Stuff}

Idea: Fabrice Niessen

# 1.8 Usage methods

In this section I have collected some different methods to use the todonotes package.

# 1.8.1 Define new commands with fixed options

Often there is a need for marking different classes of things to do (add reference, rewrite, ...). One way to do this, is to define some new commands as shown below (idea from Florent B.).

```
\newcommand{\addref}{\todo[color=red!40]{Add reference.}}
\newcommand{\rewrite}[1]{\todo[color=green!40]{#1}}
```

To distinguish between the different types of todos, the todonotes package can be loaded with the colorinlistoftodos option, which adds small colored squares to the list of todos.

\usepackage[colorinlistoftodos]{todonotes}

#### 1.8.2 Define new commands with arbitrary default options

If you do not like the default values of the standard todo command, it is possible to define a new command with the similar functionality of \todo with custom default values.

```
\newcommand{\todoredefined}[2][]
{\todo[color=red, #1]{#2}}
```

Test of newly defined command The new command can now be used like shown below

```
\todoredefined{Test of newly defined command.}
\todoredefined[color=green]{Test of newly defined command, requesting a green color.}
```

Test of newly defined command, requesting a green color. This can be done with all the accepted options for the **\todo** command.

If only available options to the \todo command are desired in the defined command, a similar effect can be achieved by defining a new style. For instance,

```
\todostyle{red}{color=red}
\todo[red,inline]{A red to do}
```

will produce a note like this:

A todo with user-defined style red

#### 1.8.3 Enumerate todonotes

If the inserted todonotes should be enumerated, it is possible to define a new command with the desired behaviour.

```
\newcounter{todocounter}
\newcommand{\todonum}[2][]
{\stepcounter{todocounter}\todo[#1]{\thetodocounter: #2}}
```

1: A numbered todonote.

2: Another numbered todonote.

The idea is to define a new counter todocounter, and insert the value of the counter in each todonote. The new command can be used like

```
\todonum{A numbered todonote.}
\todonum{Another numbered todonote.}
```

# 1.8.4 Comments "a la Word"

Fabrice Niessen sent me the following use case. The idea is to define a new command \mycomment which adds a counter and optionally the initials of the author to the inserted todonote.

```
\newcounter{mycomment}
\newcommand{\mycomment}[2][]{%
    % initials of the author (optional) + note in the margin
    \refstepcounter{mycomment}%
    {%
        \setstretch{0.7}% spacing
        \todo[color={red!100!green!33},size=\small]{%
        \textbf{Comment [\uppercase{#1}\themycomment]:}~#2}%
}}
```

Comment [HSM1]: Testing first time.

Comment [HSM2]: Testing second time.

The command \mycomment[HSM]{Testing first time.} is displayed like shown in the left margin, and another call of the command is added below \mycomment[HSM]{Testing second time.}.

#### 1.8.5 Combination with the fixme package

Thomas Arildsen has mailed me this use case. Check the documentation for the fixme package, as the code below relies directly on it (the \FDUser command is augmented when \begin{document} is reached).

```
\usepackage[user,nomargin]{fixme}
\usepackage{todonotes}
\newcommand{\FXUser}[2]{\todo[inline,size=\small]{{\bfseries #1:} #2}}
```

# 1.8.6 Altering the line spacing of todonotes

The setspace package lets you alter the line spacing of smaller sections of your document. The primary construct is the spacing environment, which is demonstrated below.

```
\begin{spacing}{0.5}
Some lines with a decreased line spacing. This is accomplished
using the setspace package that is included in standard latex
distributions.
\end{spacing}
```

Some lines with a decreased line spacing. This is accomplished using the setspace package that is included in standard latex distributions.

Using the spacing environment we can define a new todonote command using the code below:

```
\newcommand{\smalltodo}[2][]
    {\todo[caption={#2}, #1]
    {\begin{spacing}{0.5}#2\end{spacing}}}
```

Some lines with a decreased line spacing. This is accomplished using the setspace package that is included in standard latex distributions.

Todonotes with decreased line spacing can now be inserted as follows

```
\smalltodo[size=\footnotesize]{
Some lines with a decreased line spacing. This is accomplished using the setspace package that is included in standard latex distributions.}
```

A different approach is given by Vitaly.

```
\newcommand{\tinytodo}[2][]
{\todo[caption={#2}, size=\small, #1]{\renewcommand{\baselinestretch}{0.5}\selectfont#2\par}]
```

Some lines with a decreased line spacing. This is accomplished without using any special packages.

It looks like seen here.

```
\tinytodo{
Some lines with a decreased line spacing. This is accomplished
without using any special packages.}
```

# 1.8.7 Marking new / old sections

Sometimes a whole section has to be marked by some means. You might want to try the following.

```
\todo[inline, caption={Some text}]{
\begin{minipage}{\linewidth}
Some text that might differ from the text given to the caption option.
\end{minipage}
}
```

It is important to add the caption={text} option, otherwise latex will try to embed a minipage in the table of contents which triggers an error. Inside the minipage environment almost anything could be placed, except for other todo commands.

To streamline use the following command was suggested by Stefan Pinnow.

This example renders like

```
\todoin{
Some text.
\begin{align}
\sin(\theta)^2 + \cos(\theta)^2 = 1
\end{align}
A formula and a list
\begin{itemize}
\item An item
\end{itemize}
}
```

```
Some text. \sin(\theta)^2 + \cos(\theta)^2 = 1 \tag{1} A formula and a list 
 • An item
```

# 1.8.8 Link to list of todos

Using the hyperref package it is possible to add a link from the inserted todonotes to the list of todos. The example were supplied by Andreas Plank.

```
% Define a counter for the inserted todonotes.
\newcounter{todoListItems}
\newcommand{\todoTrans}[2][]{
    % Increment counter
    \addtocounter{todoListItems}{1}
    \todo[%
```

```
caption={\protect\hypertarget{todo\thetodoListItems}{}Translation},
  #1]
{
  #2 \hfill
  \hyperlink{todo\thetodoListItems}{$\uparrow$}
}
}
```

The idea behind the code is to embed a hypertarget in each entry in the list of todos. In the todonotes a link to the entry in the list of todos is inserted as an arrow that points upwards. Using the \todoTrans command like below, the following two notes have been inserted.

\todoTrans{papirsflyver}
\todoTrans[inline]{damplokomotiv}

papirsflyver

damplokomotiv

1.8.9 Numbered todonotes

The inserted todonotes can be argumented with the current subsubsection number. The code is shown below.

1.8.9. A numbered todo.

By changing \thesubsubsection to \thesection, the current section number can be inserted instead of the subsubsection number. The result looks like. Which were generated by the code

\ntodo{A subsection numbered todo.}.

# 1.8.10 Combining several modifications

Manduca have combined several of the modifications above into a highly specialized todo command. She uses the code:

Small notes with links back to the list of todos.

Smart notes with links back to the list of todos.

```
\newcounter{todoListItems}
\newcommand{\sstodo}[2][]
{\addtocounter{todoListItems}{1}
\todo[caption={\protect\hypertarget{todo\thetodoListItems}{}\thesection. #2}, #1]
{\begin{spacing}{1} \hfill \hyperlink{todo\thetodoListItems}{#2} \end{spacing} }}
```

Using this approach it is possible to customize the behavior of the inserted notes to a very high degree.

#### 1.8.11 Alter the appearance of the list of todos

Marco Daniel gives the following example of how to add section numbers to the elements in the list of todos. The code is slightly modified from <a href="http://tex.stackexchange.com/questions/18838/replacing-page-number-with-other-counter-in-listofted">http://tex.stackexchange.com/questions/18838/replacing-page-number-with-other-counter-in-listofted</a> An example of the modified list of todos is shown below, the complete code example is given in the example directory.

#### 1.8.12 Tikz externalization issues

Using the tikz externalization framework together with todonotes can lead to some problems. One solution is to disable the externalization just before the todo command is issued and then reactivate externalization afterwards. The ruggedtodo handles this deactivation and reactivation.

```
\usetikzlibrary{external}
\tikzexternalize
\newcommand{\ruggedtodo}[2][]{\tikzexternaldisable\todo[#1]{#2}\tikzexternalenable}
```

# 1.8.13 Highligt text to fix

Tobias Winchen provides the following example on how to highlight text related to the inserted todonote. Example wrong text continues here. Notice that the code relies on the soul package.

```
\makeatletter
\if@todonotes@disabled
\newcommand{\hlfix}[2]{#1}
\else
\newcommand{\hlfix}[2]{\texthl{#1}\todo{#2}}
\fi
\makeatother
Example \hlfix{wrong text}{fix text}~continues here.
```

# 1.8.14 Adding color coded levels of todos

Sometimes it can be beneficial to be able to distinguish between different types of todos. For this I would suggest the following approach:

```
\newcommand{\todoerror}[2][]{\todo[color=red!70, #1]{#2}}
\newcommand{\todowarn}[2][]{\todo[color=orange, #1]{#2}}
\newcommand{\todoremark}[2][]{\todo[color=yellow!80!black, #1]{#2}}
\newcommand{\todohint}[2][]{\todo[color=green!20, #1]{#2}}
\newcommand{\tododone}[2][]{\todo[color=blue!50, #1]{#2}}
\todoerror[inline]{Testing}
\todowarn[inline]{Testing}
\todohint{Testing}
```

fix text

\tododone[disable] {Testing}

Testing

Testing

Testing Testing

# 1.8.15 Notes in both left and right margin

If you want to add many todonotes in your document, it can be beneficial to use both the left and right margins for the inserted notes. This can be achieved by defining a helper function the following way. The main drawback is that notes inserted using the marginnote command does not float and thus they can get to overlap. This idea was suggested by FranzAtGithub.

```
\usepackage{marginnote}
\usepackage{etoolbox}
\newtoggle{lmargin}
\verb|\iftoggle{lmargin}||%
   {%
       \todo[#1]{#2}
       \togglefalse{lmargin}
   }{%
       {%
           \let\marginpar\marginnote%
           \reversemarginpar%
           \todo[#1]{#2}%
       }%
       \toggletrue{lmargin}%
   }%
}%
```

# 2 Implementation

```
Identifies the package and loads the packages dependences.
```

1 \ProvidesPackage{todonotes}[2023/01/31]

```
2 \RequirePackage{ifthen}
 3 \RequirePackage{xkeyval}
 4 \RequirePackage{xcolor}
 5 \RequirePackage{tikz}
 6 \usetikzlibrary{positioning}
 7 \RequirePackage{calc}
Implement a function for setting up the todonotes package.
 8 \newcommand\setuptodonotes[1]{\presetkeys{todonotes}{#1}{}}
Some default values are set
 9 \newcommand{\@todonotes@text}{}%
10 \newcommand{\@todonotes@backgroundcolor}{orange}
11 \newcommand{\@todonotes@textcolor}{black}
12 \newcommand{\@todonotes@linecolor}{orange}
13 \newcommand{\@todonotes@bordercolor}{black}
14 \newcommand{\@todonotes@tickmarkheight}{unused value}
15 \newcommand{\@todonotes@textwidth}{\marginparwidth}
16 \newcommand{\@todonotes@textsize}{\normalsize}
17 \newcommand{\@todonotes@figwidth}{\linewidth}
18 \newcommand{\@todonotes@figheight}{4cm}
19 \newcommand{\@todonotes@figcolor}{black!40}
20 \AtBeginDocument{
21 \ifx\undefined\phantomsection
22 \newcommand{\phantomsection}{}
23 \fi
24 \ifdim \marginparwidth < 2cm
25 \PackageWarning{todonotes}{The length marginparwidth is
26 less than 2cm and will most likely cause issues with the
27 appearance of inserted todonotes.
28 The issue can be solved by adding a line like
29 \setlength{\marginparwidth}{2cm}
30 prior to loading the todonotes package.} \else\fi%
31 }
```

# 2.1 Declaration of options for the package

In this part the various options for the package are defined.

Define the default text strings and set localization options for the danish and german languages.

```
32 \newcommand{\@todonotes@todolistname}{Todo list}
33 \newcommand{\@todonotes@MissingFigureText}{Figure}
34 \newcommand{\@todonotes@MissingFigureUp}{Missing}
35 \newcommand{\@todonotes@MissingFigureDown}{figure}
36 \newcommand{\@todonotes@SetTodoListName}[1]
37 {\renewcommand{\@todonotes@todolistname}{#1}}
38 \newcommand{\@todonotes@SetMissingFigureText}[1]
39 {\renewcommand{\@todonotes@MissingFigureText}{#1}}
40 \newcommand{\@todonotes@SetMissingFigureUp}[1]
41 {\renewcommand{\@todonotes@MissingFigureUp}{#1}}
```

```
42 \newcommand{\@todonotes@SetMissingFigureDown}[1]
      {\renewcommand{\@todonotes@MissingFigureDown}{#1}}
44 \newif{\if@todonotes@reverseMissingFigureTriangle}
45 \DeclareOptionX{catalan}{
      \@todonotes@SetTodoListName{Llista de feines pendents}%
46
      \@todonotes@SetMissingFigureText{Figura}%
47
      \@todonotes@SetMissingFigureUp{Figura}%
48
      \@todonotes@SetMissingFigureDown{pendent}%
49
50 }
51 \DeclareOptionX{croatian}{%
     \@todonotes@SetTodoListName{Popis obveza}%
52
     \@todonotes@SetMissingFigureText{Slika}%
53
     \@todonotes@SetMissingFigureUp{Nedostaje}%
54
     \@todonotes@SetMissingFigureDown{slika}%
55
56 }
57 \DeclareOptionX{danish}{%
      \OtodonotesOSetTodoListName{G\o{}rem\aa{}lsliste}%
58
      \@todonotes@SetMissingFigureText{Figur}%
59
60
      \@todonotes@SetMissingFigureUp{Manglende}%
61
      \@todonotes@SetMissingFigureDown{figur}%
62 }
63 \DeclareOptionX{dutch}{%
     \@todonotes@SetTodoListName{Lijst van onafgewerkte taken}%
64
     \@todonotes@SetMissingFigureText{Figuur}%
65
66
     \@todonotes@SetMissingFigureUp{Ontbrekende}%
     \@todonotes@SetMissingFigureDown{figuur}%
67
68 }
69 \DeclareOptionX{english}{%
     \@todonotes@SetTodoListName{Todo list}%
70
71
     \@todonotes@SetMissingFigureText{Figure}%
72
     \@todonotes@SetMissingFigureUp{Missing}%
     \@todonotes@SetMissingFigureDown{figure}%
73
74 }
75 \DeclareOptionX{french}{%
      \OtodonotesOSetTodoListName{Liste des points \'a traiter}%
76
77
      \@todonotes@SetMissingFigureText{Figure}%
78
      \@todonotes@SetMissingFigureUp{Figure}%
79
      \@todonotes@SetMissingFigureDown{manquante}%
80
      \@todonotes@reverseMissingFigureTrianglefalse
81 }
82 \DeclareOptionX{german}{%
83
      \OtodonotesOSetTodoListName{Liste der noch zu erledigenden Punkte}%
84
      \@todonotes@SetMissingFigureText{Abbildung}%
      \@todonotes@SetMissingFigureUp{Fehlende}%
85
      \@todonotes@SetMissingFigureDown{Abbildung}%
86
87 }
88 \DeclareOptionX{italian}{
      \OtodonotesOSetTodoListName{Elenco delle cose da fare}%
89
      \@todonotes@SetMissingFigureText{Figura}%
90
91
      \@todonotes@SetMissingFigureUp{Figura}%
92
      \@todonotes@SetMissingFigureDown{mancante}%
93 }
94 \DeclareOptionX{ngerman}{%
      \@todonotes@SetTodoListName{Liste der noch zu erledigenden Punkte}%
95
```

```
\@todonotes@SetMissingFigureText{Abbildung}%
96
       \@todonotes@SetMissingFigureUp{Fehlende}%
97
       \@todonotes@SetMissingFigureDown{Abbildung}%
98
99 }
100 \DeclareOptionX{portuguese}{
       \@todonotes@SetTodoListName{Lista de tarefas pendentes}%
101
       \@todonotes@SetMissingFigureText{Figura}%
102
       \@todonotes@SetMissingFigureUp{Figura}%
103
104
       \@todonotes@SetMissingFigureDown{pendente}%
105 }
106 \DeclareOptionX{spanish}{
       \@todonotes@SetTodoListName{Lista de tareas pendientes}%
107
       \@todonotes@SetMissingFigureText{Figura}%
108
       \@todonotes@SetMissingFigureUp{Figura}%
109
       \@todonotes@SetMissingFigureDown{pendiente}%
110
111 }
112 \DeclareOptionX{swedish}{%
       \@todonotes@SetTodoListName{Att g\"{o}ra-lista}%
113
114
       \@todonotes@SetMissingFigureText{Figur}%
115
       \@todonotes@SetMissingFigureUp{Figur}%
       \@todonotes@SetMissingFigureDown{saknas}%
116
117 }
Create a counter, for storing the number of inserted todos.
118 \newcounter{@todonotes@numberoftodonotes}
   Toggle whether the package should obey the global draft option.
119 \newif{\if@todonotes@obeyDraft}
120 \DeclareOptionX{obeyDraft}{\@todonotes@obeyDrafttrue}
121 \newif{\if@todonotes@isDraft}
122 \DeclareOptionX{draft}{\@todonotes@isDrafttrue}
123 \DeclareOptionX{draftcls}{\@todonotes@isDrafttrue}
125 \newif{\if@todonotes@obeyFinal}
126 \DeclareOptionX{obeyFinal}{\@todonotes@obeyFinaltrue}
127 \newif{\if@todonotes@isFinal}
128 \DeclareOptionX{final}{\@todonotes@isFinaltrue}
Make it possible to disable the functionality of the package. If this option is
given, the commands \todo{} and \listoftodos are defined as commands with
no effect. (But you can still compile you document with these commands).
129 \newif{\if@todonotes@disabled}
130 \DeclareOptionX{disable}{\@todonotes@disabledtrue}
Show small boxes in the list of todos with the color of the inserted todonotes.
131 \newif{\if@todonotes@colorinlistoftodos}
132 \DeclareOptionX{colorinlistoftodos}{\@todonotes@colorinlistoftodostrue}
The default style behaves bad when compiled with latex (some text placement
problems). The dvistyle option, changes the visual behavior to avoid this text
placement problem.
133 \newif{\if@todonotes@dviStyle}
134 \DeclareOptionX{dvistyle}{\@todonotes@dviStyletrue}
Create a color option.
135 \define@key{todonotes.sty}%
```

```
{color}{
136
                     \renewcommand{\@todonotes@backgroundcolor}{#1}
137
                     \renewcommand{\@todonotes@linecolor}{#1}}
138
Make the background color of the notes as an option.
139 \define@key{todonotes.sty}%
              {backgroundcolor}{\renewcommand{\@todonotes@backgroundcolor}{#1}}
Make the text color of the notes as an option.
141 \define@key{todonotes.sty}%
              {textcolor}{\renewcommand{\@todonotes@textcolor}{#1}}
Make the line color of the notes as an option.
143 \define@key{todonotes.sty}%
              {linecolor}{\renewcommand{\@todonotes@linecolor}{#1}}
144
Make the color of the notes box color as an option.
145 \define@key{todonotes.sty}%
              {bordercolor}{\renewcommand{\@todonotes@bordercolor}{#1}}
Make the height of the line start marking as an option.
147 \ensuremath{\ensuremath{\texttt{0todonotes@defaulttickmarkheight}} \{0cm\}
148 \define@key{todonotes.sty}{tickmarkheight}{%
              \renewcommand{\@todonotes@defaulttickmarkheight}{#1}}%
149
Set whether short captions given as arguments to the todo command should be
included in the inserted todonote.
150 \newif{\if@todonotes@prependcaptionglobal}
151 \@todonotes@prependcaptionglobalfalse
152 \DeclareOptionX{prependcaption}{\@todonotes@prependcaptionglobaltrue}
Make the text width as an option.
153 \define@key{todonotes.sty}%
              {textwidth}{\renewcommand{\@todonotes@textwidth}{#1}}
Make the formatting of a note an option. Notes are formatted using \todoformat,
which by default does nothing. If the option format=cmd is given, notes are for-
matted using \cmd instead. Default formatting can also be changed by redefining
\todoformat.
155 \newcommand{\todoformat}[1]{#1}
156 \define@key{todonotes.sty}%
              {format}{\renewcommand{\todoformat}}{\column{0.5cm} \column{0.5cm} \column{0.5c
Make the text size as an option, accept both size and textsize.
158 \define@key{todonotes.sty}%
              {textsize}{\renewcommand{\@todonotes@textsize}{#1}}
160 \define@key{todonotes.sty}%
161
              {size}{\renewcommand{\@todonotes@textsize}{#1}}
Add option for shadows behind the inserted notes
162 \newif\if@todonotes@shadowlibraryloaded
163 \@todonotes@shadowlibraryloadedfalse
164 \DeclareOptionX{loadshadowlibrary}{%
              \usetikzlibrary{shadows}%
165
              \@todonotes@shadowlibraryloadedtrue}
166
167 \newcommand{\@todonotes@shadowenabledbydefault}{noshadow}
168 \DeclareOptionX{shadow}{%
              \renewcommand{\@todonotes@shadowenabledbydefault}{shadow}}
```

176 % Finally process the given options.

177 % \begin{macrocode}

178 \ProcessOptionsX\*

If the obeyDraft is given, check whether one of the draft, draftcls or draftclsnofoot options are given and enable or disable the functionality of this package. If the obeyFinal option is given together with the final option the todonotes are disabled. The disable option will overrule the effect of obeyDraft.

```
179 \if@todonotes@disabled
180 \else
181 \if@todonotes@obeyDraft
182 \@todonotes@disabledtrue
183 \if@todonotes@isDraft
184 \@todonotes@disabledfalse
185 \fi
186 \fi
187 \if@todonotes@obeyFinal
188 \@todonotes@disabledfalse
189 \if@todonotes@disabledfalse
189 \if@todonotes@disabledfalse
190 \@todonotes@disabledtrue
191 \fi
192 \fi
193 \fi
```

# 2.2 Options for the todo command

In this part the various options for commands in the package are defined. Set an arbitrarily fill color

```
194 \ensuremath{\mbox{\tt Qdef\@todonotes@currentlinecolor}\@todonotes@linecolor}\%
196 \gdef\@todonotes@currenttextcolor{\@todonotes@textcolor}%
197 \gdef\@todonotes@currentbordercolor{\@todonotes@bordercolor}%
198 \define@key{todonotes}{color}{%
       \gdef\@todonotes@currentlinecolor{#1}%
       \gdef\@todonotes@currentbackgroundcolor{#1}}%
200
201 \define@key{todonotes}{linecolor}{%
      \gdef\@todonotes@currentlinecolor{#1}}%
202
203 \define@key{todonotes}{backgroundcolor}{%
      \gdef\@todonotes@currentbackgroundcolor{#1}}%
204
205 \define@key{todonotes}{textcolor}{%
      \gdef\@todonotes@currenttextcolor{#1}}%
206
207 \define@key{todonotes}{bordercolor}{%
      \gdef\@todonotes@currentbordercolor{#1}}%
```

Toggle whether there is a shadow behind the inserted notes.

```
209 \newif\if@todonotes@useshadow%
210 \define@key{todonotes}{shadow}[]{\@todonotes@useshadowtrue}%
211 \define@key{todonotes}{noshadow}[]{\@todonotes@useshadowfalse}%
Define height of the inserted tickmark.
212 \define@key{todonotes}{tickmarkheight}{%
       \renewcommand{\@todonotes@tickmarkheight}{#1}}%
Make formatting of notes a per-note option as well, by redefining the internal
\@todonotes@format command, which is then used in formatting the actual note.
214 \newcommand{\@todonotes@format}{\todoformat}%
215 \define@key{todonotes}{format}{%
216
       \renewcommand{\@todonotes@format}{\@nameuse{#1}}}%
Set a relative font size
217 \newcommand{\@todonotes@sizecommand}{}%
218 \define@key{todonotes}{size}{\renewcommand{\@todonotes@sizecommand}{#1}%
219 }%
Should the todo item be disabled?
220 \newif\if@todonotes@localdisable%
221 \define@key{todonotes}{disable}[]{\@todonotes@localdisabletrue}%
222 \define@key{todonotes}{nodisable}[]{\@todonotes@localdisablefalse}%
Should the todo item be included in the list of todos?
223 \newif\if@todonotes@appendtolistoftodos%
224 \define@key{todonotes}{list}[]{\@todonotes@appendtolistoftodostrue}%
225 \ \texttt{define@key\{todonotes\}\{nolist\}[]\{\end{onotes@appendtolistoftodosfalse}\}} \\
Should the todo item be displayed inline?
226 \newif\if@todonotes@inlinenote%
227 \define@key{todonotes}{inline}[]{\@todonotes@inlinenotetrue}%
228 \define@key{todonotes}{noinline}[]{\@todonotes@inlinenotefalse}%
229 \newif\if@todonotes@prependcaption%
230 \label{lem:condition} $$230 \end{substitute} $$ \cline{$\mathbb{C}$ repend} [] {\cline{$\mathbb{C}$ prepend caption} true} $$ $$
231 \define@key{todonotes}{noprepend}[]{\@todonotes@prependcaptionfalse}%
Should the note in the margin be connected to the insertion point in the text?
232 \newif\if@todonotes@line%
233 \define@key{todonotes}{line}[]{\@todonotes@linetrue}%
234 \end{fine@key{todonotes}{noline}[]{\end{fine@linefalse}\%}}
Should the connection between note and insertion point be drawn in a fancy way?
(does only work if line=true)
235 \newif\if@todonotes@fancyline\@todonotes@fancylinefalse%
236 \define@key{todonotes}{fancyline}[]{\@todonotes@fancylinetrue}%
237 \define@key{todonotes}{nofancyline}[]{\@todonotes@fancylinefalse}%
Author option.
238 \newcommand{\@todonotes@author}{}%
239 \newif\if@todonotes@authorgiven%
240 \define@key{todonotes}{author}{%
       \renewcommand{\@todonotes@author}{#1}%
241
       \@todonotes@authorgiventrue}%
243 \define@key{todonotes}{noauthor}[]{\@todonotes@authorgivenfalse}%
```

```
Should the text in the list of todos be different from the text in the todonote?
244 \newcommand{\@todonotes@caption}{}%
245 \newif\if@todonotes@captiongiven%
246 \define@key{todonotes}{caption}%
                      {\renewcommand{\@todonotes@caption}{#1}%
                      \@todonotes@captiongiventrue}%
249 \define@key{todonotes}{nocaption}[]{\@todonotes@captiongivenfalse}%
Change the current figure width and height.
250 \newcommand{\@todonotes@currentfigwidth}{\@todonotes@figwidth}
251 \define@key{todonotes}%
                      {figwidth}{\renewcommand{\@todonotes@currentfigwidth}{#1-2pt}}
253 \newcommand{\@todonotes@currentfigheight}{\@todonotes@figheight}
254 \define@key{todonotes}%
                      {figheight}{\renewcommand{\@todonotes@currentfigheight}{#1-2pt}}
256 \newcommand{\@todonotes@currentfigcolor}{\@todonotes@figcolor}
257 \define@key{todonotes}%
                      {figcolor}{\renewcommand{\@todonotes@currentfigcolor}{#1}}
258
Change the width of an inline note.
259 \newcommand{\@todonotes@inlinewidth}{\linewidth}%
260 \define@key{todonotes}%
                      \\ \{inlinewidth\} \\ \{renewcommand \\ \{0todonotes \\ 0inlinewidth\} \\ \{\#1\}\}
Change if inline note is written to a separate line or not.
262 \newif\if@todonotes@inlinepar
263 \@todonotes@inlinepartrue
264 \ensuremath{\mbox{\mbox{$1$}}} {\ensuremath{\mbox{$1$}}} {\ensur
265 \end{fine} \end{fine} \end{fine} arfalse \end{fine} \end{fin
Preset values of the options
266 \presetkeys%
267
                      {todonotes}%
                      {linecolor=\@todonotes@linecolor,%
268
                     backgroundcolor=\@todonotes@backgroundcolor,%
269
                      textcolor=\@todonotes@textcolor,%
270
                     bordercolor=\@todonotes@bordercolor,%
271
                      format=todoformat,%
272
                      tickmarkheight=\@todonotes@defaulttickmarkheight,%
273
                     nofancyline,%
274
275
                     nodisable,%
                     noinline,%
276
                     nocaption,%
277
278
                     noauthor,%
279
                      \@todonotes@shadowenabledbydefault,%
                      figwidth=\@todonotes@figwidth,%
280
                      figheight=\@todonotes@figheight,%
281
                      figcolor=\@todonotes@figcolor,%
282
                      line, list,%
283
284
                      inlinewidth=\linewidth,
                      inlinepar}{}%
286 \@temptokena\expandafter{\@todonotes@textsize}
287 \edef\next{\noexpand\presetkeys{todonotes}{size=\the\@temptokena}{}}
288 \next
```

# 2.3 The main code part

Here is the actual macros defined. If the option "disable" was passed to the package define empty commands.

```
289 \if@todonotes@disabled%
               290
                               \newcommand{\listoftodos}[1][]{}
                               \mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath}\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath{\mbox{\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremath}\ensuremat
               291
                               \newcommand{\missingfigure}[2][]{}
               292
               293 \else % \if@todonotes@disabled
               Define the \listoftodos command and define the appearance of the list of todos.
               294 \newcommand{\listoftodos}[1][\@todonotes@todolistname]
                               {\@ifundefined{chapter}{\section*{#1}}}{\chapter*{#1}} \@starttoc{tdo}}
               296 \newcommand{\l@todo}
                               {\@dottedtocline{1}{0em}{2.3em}}
               297
               Define styles used by the todo command
               298 \tikzstyle{notestyleraw} = [
                               draw=\@todonotes@currentbordercolor,
                               fill=\@todonotes@currentbackgroundcolor,
               300
                               text=\@todonotes@currenttextcolor,
               301
               302
                               line width=0.5pt,
               303
                               text width = \@todonotes@textwidth - 1.6 ex - 1pt,
               304
                               inner sep = 0.8 ex,
               305
                               rounded corners=4pt]
\@todo Define the \@todo command.
                306 \newcommand{\@todo}[2][]{%
                Use the global value for determining the default prepend behavior.
               307 \if@todonotes@prependcaptionglobal%
               308 \@todonotes@prependcaptiontrue%
               309 \else%
               310 \@todonotes@prependcaptionfalse%
               311 \fi%
               Store the original text for later usage and parse the given options.
               312 \renewcommand{\@todonotes@text}{#2}%
               313 \renewcommand{\@todonotes@caption}{#2}%
               314 \setkeys{todonotes}{#1}%
                      Add shadows to the inserted todonotes.
               315 \if@todonotes@useshadow%
               316 \if@todonotes@shadowlibraryloaded%
               317 \tikzstyle{notestyle} = [notestyleraw,%
                               general shadow={shadow xshift=0.5ex, shadow yshift=-0.5ex,%
               318
               319
                                        opacity=1,fill=black!50}]%
               320 \else%
               321 \PackageWarning{todonotes}{Trying to put a shadow below a todonote,%
               322 but the loadshadowlibrary option was not given when loading%
               323 the todonotes package}%
               324 \tikzstyle{notestyle} = [notestyleraw]%
               325 \fi%
               326 \else%
               327 \tikzstyle{notestyle} = [notestyleraw]%
               328 \fi%
```

```
Update notestyles
329 \tikzstyle{notestyleleft} = [%
330
       notestyle,%
331
       left]%
332 \tikzstyle{connectstyle} = [%
       thick,%
       draw=\@todonotes@currentlinecolor]%
335 \tikzstyle{inlinenotestyle} = [%
336
       notestyle,%
       text width=\@todonotes@inlinewidth - 1.6 ex - 1 pt]%
337
If the option disable is given to the command, no output is generated.
338 \if@todonotes@localdisable%
339 \else%
Add the item to the list of todos. When the option colorinlistoftodos is given
to the package a small colored square is added in front of the text.
340 \addtocounter{@todonotes@numberoftodonotes}{1}%
341 \if@todonotes@appendtolistoftodos%
       \phantomsection%
342
343
       \if@todonotes@captiongiven%
344
       \else%
            \renewcommand{\@todonotes@caption}{#2}%
346
       \fi%
       \@todonotes@addElementToListOfTodos%
347
348 \fi%
Prepend the short caption given if it is requested
349 \if@todonotes@captiongiven%
       \if@todonotes@prependcaption%
351
            \renewcommand{\@todonotes@text}{\@todonotes@caption: #2}%
352
       \fi%
353 \fi%
Place the todonote as indicated by the options (inline or in a marginpar), below
is the code for the inline placement.
354 \if@todonotes@inlinenote%
355
       \@todonotes@drawInlineNote%
356 \else%
       \@todonotes@drawMarginNoteWithLine%
358 \fi%\if@todonotes@inlinenote
359 \fi%\if@todonotes@localdisable
360 }%
```

drawMarginNoteWithLine Define helper function drawMarginNoteWithLine.

# $361 \verb|\newcommand{\dtodonotes@drawMarginNoteWithLine}{\%} \\$

When the todonote should be placed inside a marginpar, the code below is applied. First is the current location in the document stored, this enables us later to connect this point with the inserted todonote.

```
362 \ifvmode
363 \vspace*{-\parskip}% % backup if we are already in vertical mode
364 \vskip-\baselineskip % (and don't loose that space after a
365 % pagebreak ...
366 \noindent.
```

```
368 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
                                \node [coordinate] (inText) {};%
                        370 \end{tikzpicture}%
                        371 \marginpar[{% Draw note in left margin
                                \@todonotes@drawMarginNote%
                        372
                                \@todonotes@drawLineToLeftMargin%
                        In the book documentclass (which is a twoside layout), the \marginpar marginpar
                         macro takes two arguments \marginpar[left]{right}. If both arguments are
                        given, latex will decide in which side the margin note has to be inserted, and then
                         use the corresponding commands.
                        374 }]{% Draw note in right margin
                        375
                                \@todonotes@drawMarginNote%
                        376
                                \@todonotes@drawLineToRightMargin%
                        377 }%
                        378 }%
addElementToListOfTodos Define helper function addElementToListOfTodos.
                         379 \newcommand{\@todonotes@addElementToListOfTodos}{%
                                \if@todonotes@colorinlistoftodos%
                        381
                                    \addcontentsline{tdo}{todo}{%
                        382
                                        \fcolorbox{\@todonotes@currentbordercolor}%
                        383
                                             {\@todonotes@currentbackgroundcolor}%
                        384
                                             {\textcolor{\@todonotes@currentbackgroundcolor}{o}}%
                                        \ \@todonotes@caption}%
                        385
                                \else%
                        386
                        387
                                    \addcontentsline{tdo}{todo}{\@todonotes@caption}%
                        388
                                fi}%
         drawInlineNote Define helper function useSizeCommand.
                        389 \newcommand{\@todonotes@useSizeCommand}{%
                        390 \ifcsname \expandafter\string\@todonotes@sizecommand\endcsname
                        391 \csname \expandafter\string\@todonotes@sizecommand\endcsname%
                        392 \else
                        393 \@todonotes@sizecommand
                        394 \fi%
                        395 }%
         drawInlineNote Define helper function drawInlineNote.
                        396 \newcommand{\@todonotes@drawInlineNote}{%
                                \if@todonotes@dviStyle%
                        397
                                    {\if@todonotes@inlinepar\par\noindent\fi%
                        398
                                     \begin{tikzpicture}[remember picture]%
                        399
                        400
                                        \draw node[inlinenotestyle] {};
                                     \end{tikzpicture}%
                         401
                                     \if@todonotes@inlinepar\par\fi}%
                         402
                        403
                                        \if@todonotes@authorgiven%
                                            {\noindent \@todonotes@useSizeCommand \@todonotes@author:\,\@todonotes@format
                        404
                        405
                                        \else%
                                            {\noindent \@todonotes@useSizeCommand%
                        406
                                                 \@todonotes@format{\@todonotes@text}}%
                        407
                                        \fi
                        408
                        409
                                    {\if@todonotes@inlinepar\par\noindent\fi%
```

367 \fi

```
\begin{tikzpicture}[remember picture]%
               410
                               \draw node[inlinenotestyle] {};
               411
                            \end{tikzpicture}%
               412
                            \if@todonotes@inlinepar\par\fi}%
               413
                       \else%
               414
                           {\if@todonotes@inlinepar\par\noindent\fi%
               415
                            \begin{tikzpicture}[remember picture]%
               416
                               \draw node[inlinenotestyle,font=\@todonotes@useSizeCommand]{%
               417
               418
                                   \if@todonotes@authorgiven%
                                        {\noindent \@todonotes@author:\,%
               419
                                            \@todonotes@format{\@todonotes@text}}%
               420
                                    \else%
               421
                                        {\noindent \@todonotes@format{\@todonotes@text}}%
               422
                                    \fi};%
               423
                            \end{tikzpicture}%
               424
                            \if@todonotes@inlinepar\par\fi}%
               425
                       \fi}%
drawMarginNote Define helper function drawMarginNote.
               427 \newcommand{\@todonotes@drawMarginNote}{%
               428 \if@todonotes@dviStyle%
               429
                       \begin{tikzpicture}[remember picture]%
                           \draw node[notestyle] {};%
               430
                       \end{tikzpicture}\\%
               431
                       \begin{minipage}{\@todonotes@textwidth}%
               432
               433
                       \if@todonotes@authorgiven%
               434
                         \@todonotes@useSizeCommand \@todonotes@author:\,
                            \@todonotes@format{\@todonotes@text}%
               435
                       \else%
               436
                         \@todonotes@useSizeCommand\@todonotes@format{\@todonotes@text}%
               437
                       \fi%
               438
                       \end{minipage}\\%
               439
                       \begin{tikzpicture}[remember picture]%
               440
                           \draw node[notestyle] (inNote) {};%
               441
               442
                       \end{tikzpicture}%
               443 \else%
               444
                       \let\originalHbadness\hbadness%
               445
                       \hbadness 100000%
                       \begin{tikzpicture}[remember picture,baseline=(X.base)]%
               446
                           \node(X){\vphantom{\@todonotes@useSizeCommand X}};%
               447
                           \if@todonotes@authorgiven%
               448
                               \draw node[notestyle,font=\@todonotes@useSizeCommand,anchor=north] (inNote) at ()
               449
               450
                                   {\@todonotes@author};%
               451
                               \node(Y)[below=of X]{};%
                               \draw node[notestyle,font=\@todonotes@useSizeCommand,anchor=north] (inNote) at ()
               452
                                    {\@todonotes@format{\@todonotes@text}};%
               453
                           \else%
               454
               455
                               \draw node[notestyle,font=\@todonotes@useSizeCommand,anchor=north] (inNote) at ()
               456
                                   {\@todonotes@format{\@todonotes@text}};%
                           \fi%
               457
                       \end{tikzpicture}%
               458
                       \hbadness \originalHbadness%
               459
```

460 \fi}%

```
drawLineToRightMargin Define helper function drawLineToRightMargin.
                                               461 \verb|\newcommand{\dtodonotes@drawLineToRightMargin}{\%}
                                               462 \if@todonotes@line%
                                               463 \if@todonotes@fancyline%
                                               464 \tikz[remember picture, overlay] {%
                                               465 \tikzstyle{both}=[line width=3pt, draw, opacity=0.15]%
                                               466 \tikzstyle{line}=[shorten >=5pt, line cap=round]%
                                               467 \tikzstyle{head}=[shorten >=-1pt, dash pattern=on Opt off 1pt, ->]%
                                               468 \foreach \s in \{line,head\}{%
                                               469 \draw[both,\s]%
                                               470 (inNote.north west).. controls +(0:0) and +(90:1.5)..([yshift=1ex] inText); \%
                                               471 }%
                                              472 }%
                                              473 \else%
                                               474 \begin{tikzpicture}[remember picture, overlay]%
                                               475 \draw[connectstyle]%
                                               476 ([yshift=-0.2cm + \@todonotes@tickmarkheight] inText)%
                                               477 - | ([yshift=-0.2cm] inText)%
                                               478 - | ([xshift=-0.2cm] inNote.west)%
                                               479 - | (inNote.west);%
                                               480 \end{tikzpicture}%
                                               481 \fi%
                                               482 \fi}%
  drawLineToLeftMargin Define helper function drawLineToLeftMargin.
                                               483 \newcommand{\@todonotes@drawLineToLeftMargin}{%
                                               484 \if@todonotes@line%
                                               485 \if@todonotes@fancyline%
                                               486 \tikz[remember picture, overlay] {%
                                               487 \tikzstyle{both}=[line width=3pt, draw, opacity=0.15]%
                                               488 \tikzstyle{line}=[shorten >=5pt, line cap=round]%
                                               489 \tikzstyle{head}=[shorten >=-1pt, dash pattern=on 0pt off 1pt,->]%
                                               490 \foreach \s in {line,head}{%}
                                               491 \draw[both,\s]%
                                               492 (inNote.north east).. controls +(0:0) and +(90:1.5)..([yshift=1ex] inText);%
                                              493 }%
                                               494 }%
                                               495 \else%
                                               496 \begin{tikzpicture} [remember picture, overlay]%
                                               497 \draw[connectstyle]%
                                               498 ([yshift=-0.2cm + \@todonotes@tickmarkheight] inText)%
                                               499 - | ([yshift=-0.2cm] inText)%
                                               500 - | ([xshift=0.2cm] inNote.east)%
                                               501 - | (inNote.east);%
                                               502 \end{tikzpicture}%
                                               503 \fi%
                                               504 \fi}%
               \missingfigure Defines the \missingfigure macro.
                                               505 \newcommand{\missingfigure}[2][]{%
                                               506 \setkeys{todonotes}{#1}%
                                               507 \addcontentsline{tdo}{todo}{\addcontentsline{tdo}{todo}} \addcontentsline{tdo}{\addcontentsline{tdo}}{\addcontentsline{tdo}} \addcontentsline{tdo}{\addcontentsline{tdo}} \addcontentsline{tdo}{\ad
                                               508 \par
                                               509 \noindent
```

```
510 \hfill
                         511 \begin{tikzpicture}
                         512 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
                                          (-2, -0.5*\@todonotes@currentfigheight-0.5cm)
                                         rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
                         515 \draw (2, -0.5) node[right, text
                                         width=\@todonotes@currentfigwidth-4.5cm, font=\@todonotes@useSizeCommand] {#2};
                         517 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
                                          (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
                         519 \draw (0, 0.3) node {\@todonotes@MissingFigureUp};
                         520 \draw (0, -0.3) node {\@todonotes@MissingFigureDown};
                         521 \end{tikzpicture}\hfill
                         522 \null\par
                         523 }% Ending \missingfigure command
                         524 \fi% Ending \@todonotes@ifdisabled
\todototoc Inserts a reference to the list of todos in the table of contents. If chapter is
                         defined, chapter is used as level otherwise will section be used. The \todototoc
                         command respects the disable option.
                         525 \newcommand{\todototoc}
                         526 {%
                         527
                                          \if@todonotes@disabled
                         528
                         529 \ add contents line \{toc\} {\ chapter} \{section\} \{chapter\} \} \\ \ begin{tikzpicture} \ chapter \} \ chapter \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapter \} \{todonotes @ todol is tname \} \\ \ chapt
                         530
                         531 }
           \todo Define the \todo command as a redirection to \@todo.
                         532 \newcommand{\todo}[2][]{%
                                    % Needed to output any dangling \item of a noskip section (see #36):
                         534
                                    \if@inlabel \leavevmode \fi
                         535
                                    \if@noskipsec \leavevmode \fi
                         536
                                    \if@todonotes@inlinepar
                                          \ifhmode
                         537
                                               \@bsphack
                         538
                                               \@todonotes@vmodefalse
                         539
                                          \else
                         540
                                               \@savsf\@m
                         541
                                               \@savsk\z@
                         542
                                              \@todonotes@vmodetrue
                         543
                         544
                         545
                                          {\@todo[#1]{#2}}%
                         546
                                          \@esphack%
                                          \if@todonotes@vmode \par \fi
                         547
                                     \else%
                         548
                         549
                                          \@todo[#1]{#2}%
                                    \fi}
                         550
                         551 \newif\if@todonotes@vmode
\todostyle Define the \todostyle macro. \todostyle{\langle name \rangle}{\langle style \rangle} defines an xkeyval
                         option (name) that, when called in a \todo or \missingfigure command, sets
                         the preset options followed by \langle style \rangle.
                         552 \newcommand*{\todostyle}[2]{%
```

553 \define@key{todonotes}{#1}[]{% 554 \setkeys{todonotes}{#2}}}

# Change History

0.1	and documentation of the
General: The first version of the	package 1
package 1	0.5.1
0.2	General: Updated the
General: Updated the option	documentation $\dots 1$
handling of the package 1	0.5.2
0.2.1	General: Fixed a bug that
General: Slightly modified by Kjell	prevented the usage of the
Magne Fauske to support notes	option french for babel. Bug
in the left margin (for	report by Thomas Braun 1
documentstyle book) 1	0.6
0.2.2	General: Added the caption option
General: Added a missingfigure	to the todo command 1
command $\dots 1$	0.6.1
0.2.3	General: Added a new usecase
General: Made a dependency on	with decreased line spacing 1
the calc package 1	0.6.2
0.3	General: Added a usecase by
General: Delayed the requirements	Fabrice Niessen 1
for the hyperref package untill	0.7
begin document and added an	General: Added language options
optional argument to the todo	on request from Peter
command for adding inline	Zimmermann 1
todonotes (Idea from Patrick Toche)	0.7.1
Toche)	General: Reworked the color
	options for both the whole package and the todo
General: Added some options to the todo macro (Idea: Patrick	command. General code clean
Toche) and made the	up. Added the prependcaption
listoftodos point at the inserted	package option 1
todos and not only the current	0.7.2
/ previous section, subsection	General: Avoid to change the
or figure using the	fontsize inside the list of todos,
phantomsection macro 1	fixing a bug revealed by
0.4	Vladimir Zhuravlev 1
General: Modified the behaviour of	0.7.3
the inline todonotes, to avoid	General: The localization options
empty lines around the inline	(danish and german) and the
todonotes 1	disable options, were all flawed
0.4.1	by naming inconsistencies that
General: Added the option	made then break the package.
colorinlistoftodos which inserts	This have been fixed 1
a small box with the used	0.7.4
fillcolor of the todonotes in the	General: Fixed a bug related to
list of todos 1	the caption option for the todo
0.4.2	command. Introduced a
General: Fixed a bug with the	counter of the number of
disable option to the package. $1$	inserted todos 1
0.5	0.7.5
General: Created a dtx file	General: Fixed a typo in a
containing both source code	macroname 1

0.7.6	translation. Added a ngerman
General: Added a textsize option	alias for the german translation
for the package and the	suggested by Michael
prepend / noprepend option	Niedermair 1
for the todo command 1	0.8.8
0.8	General: Added a new usecase
General: Added three new	from Vitaly. Fixed a bug
translations french, spanish	reported by Oscar Gustafsson.
and catalan thanks to Richard	Explained why the placement
Dominique and Joan Queralt.	of todonotes in the margin fails
Improved the visual	in certain custom document
appearence of the inserted	classes
notes (rounded corners and	0.8.9
optional shadows) with code	General: Added a dutch
from Joan Queralt. Found an	translation by Ruben Ruben
untranslated textstring	Vermeersch 1
"Figure" in the source. Added	0.9.0
a figwidth option to the	General: Added a english option as
missingfigure command, patch	suggested by Marco Berghoff 1
by Paul Ivanov 1	0.9.1
0.8.1	General: Added the todototoc
General: Added a space between	command by idea from Sven
the colored square and the text	Augustin 1
in the list of todos. Added a	0.9.2
new usecase for marking old /	General: Use chapter (if available)
new sections. Made the name	for the list of todos heading 1
of listoftodos changeable 1	0.9.3
0.8.2	General: Make an internal
General: Italian translation by	definition of the todo
Gustavo Cevolani. Removed	command, for easing
the dependence on the hyperref	redefinition of the command
package 1	behaviour 1
0.8.3	0.9.4
General: Added a use case for	General: Make the disable option
linking to the list of todos, idea	work on a local scale 1
from Andreas Plank.	0.9.5
Introduced a package option	General: Code simplification by
for listening to the draft option	extracting functionality to
given to the document class 1	smaller macros 1
0.8.4	0.9.6
General: Fixed a bug related to	General: Give fontsize to TikZ.
the obeyDraft option 1	Align notes with line where
0.8.5	note is set. Added new option
General: Added two new usecases	fancyline. Patches by
(enumeration of inserted	Benjamin Kellermann 1
todonotes and how to set	0.9.7
custom default values).	
Changed the order of the use	General: Updated documentation. 1
case examples $1$	0.9.8
0.8.6	General: Suppress warnings about
General: Added a portuguese	underfull / overful boxes
translation by Og DeSouza 1 0.8.7	generated by the inserted
	todonotes. Patch by Peter M
General: Updated portuguese	Schuler 1

0.9.9	change the space eating
General: Added author option,	behaviour added by Anselm
implementation provided by	Wagner. Reduced the width of
Xavier Alameda-Pineda.	missingfigure to avoid bad box
Example of modifying the	warnings
listoftodos removing some	1.0.6
protect commands with no	General: Changed how whitespaces
effect	are handled around inserted
1.0.0 General: Mention trouble with the	todos to better mimick macros
classicthesis style. Refer to	like index (Suggestion by Frank Mittelbach). Fix missing
some alternatives to the	character warnings using patch
package. Added todoin	by Niels Anders Danielsson.
command as suggested by	Use the specified textsize for
Stefan Pinnow. Described how	missingfigure, patch by
to use tikz externalize with	Johannes Twittmann. Added
todonotes. Added obeyDraft	new options for inline
and obeyFinal options 1	todonotes based on code from
1.0.1	Daniel Krenn. Added warning
General: Fix spacing issues	message when marginparwidth
reported by Jonathan	is less than 2cm, as suggested
Zachhuber and Brent	by ErikBoesen 1
Longborough. Added figheight	1.0.7
option to the missingfigure	General: Changed the warning
command as suggested by Kim	about marginparwidth to a
Albertsson 1	proper warning message 1
1.0.2	1.0.8
General: Added Swedish	General: Improved spacing
translation by Emil Lundberg.	behaviour so it mimics the
Added usecase by Tobias Winchen. Mentioned that	index macro, patch by Frank
default arguments can be set	Mittelbach. Center graphics
using the presetkeys command.	vertically in missingfigure, patch by Philipp Allgeuer.
Updated list of alternatives to	Added new option
the todonotes package. Draw	tickmarkheight as suggested by
borders around coloured boxes	Richard Niland 1
in the list of todos, patch by Ze	1.1.0
Loff	General: Many improvements to
1.0.3	the user interface by Frank
General: Added the option figcolor	Mittelbach. Added the
to missing figure, patch by	command setuptodonotes.
Pascal Hebbeker. Added	Added textcolor as an option.
Croatian translation by Ican	Marked the insertion point of
Kokan. Changed default with	notes with tickmarks with a
of missingfigure. Removed	customizable height. Steamline
some underfull box warnings,	which options that are
solution by Ernst Blecha 1	accepted to size commands
1.0.4	(both commands (backslash
General: Restructured	tiny) and text (tiny) are now
documentation and placed	supported)
some examples in the doc/examples subdirectory 1	1.1.1
1.0.5	General: Implemented shadow and noshadow options for the todo
General: Example of how to	command 1
Concrete Entempte of non-to-	

1.1.2	todos with shadows. Actually
General: Fix issue 36 and 37 1	use the tickmarkheight option
1.1.3	as suggested by José Francisco
General: Fix issue 48 and make	Loff library by default.
colors used in the last todo	Described a workaround for
globally available 1	using the standalone document
1.1.4	class
General: Fix issue 51 by avoid	1.1.6
loading the tikz shadows	General: Fix issue 64 by adding the
library by default 1	command definetodostyle and
1.1.5	the format option to the todo
General: Fix issue 54 related to	and missingfigure commands.
additional spacing around	Pull request by rzach