

coop-writing v1.2.3

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1 Introduction

This package supports editorial comments and gives some extra support for writing papers, or any document that involves more than one author or editor.

Usually, a final version of a document would be printed with the `publish` option turned one, and no editorial comment would appear. In this document `the reader will see some uses`¹ of the package, since it is distributed with the `editing` option turned on. This is done because I must provide the examples of use. A version using `publish` is available to be used as a comparison.

1.1 A bit of context

`coop-writing` was written to support my way of working, and received suggestions from my students. The starting goal was to build only a front-end to put together other packages, but with time, and the difficulty to make different packages with commands that have the same name work together, it grew in scope.

It picks ideas from different packages, such as `ed`[Koh11], `color-edits`[Kem20], and `todonotes`[Mid21], and from my practice writing papers and supervising thesis. As it is my first package, \TeX and \LaTeX programming is sometimes naive. However, due to the large amount of available code, and sites as StackExchange, this is not a rule.

1.2 The Brazilian origin

Originally, `coop-writing` was written in Portuguese. The Portuguese commands are still available.

2 How to use `coop-writing`

`coop-writing` is available as open source at <https://github.com/xexeo/coop-writing>. The stable distribution is in the folder `dist`, while the latest, and unstable, will be in the root folder.

The only file you really need, besides this manual, is `coop-writing.sty`. This should be in your \LaTeX path, such as in the same folder that your main `.tex` file.

If you are new to \LaTeX , just put one of these 3 lines in the preamble part of your document, i.e., before `\begin{document}`:

```
\usepackage[editing]{coop-writing}
\usepackage[submit]{coop-writing}
```

¹XEXÉO: This is an example of using this package to make a comment with highlighted text

```
\usepackage[publish]{coop-writing}
```

After that, you can use `\cwauthor` or `\cweditor` to make commentaries, but you must look at the many options available that are described in section 5. You will probably want to define authors as described in subsection 5.1.

You can make suggestions, complain about bugs, and request features using GitHub’s “Issues” feature, in <https://github.com/xexeo/coop-writing/issues> (you must be signed in).

2.1 Using from Overleaf

The best way to use `coop-writing` inside Overleaf is to link the distributed style file through its URL. To do that, inside your project, select first “Upload”. An “Add files” window will appear, then select “From External URL” and enter <https://raw.githubusercontent.com/xexeo/coop-writing/main/dist/coop-writing.sty> as “URL to fetch the file from” and “coop-writing” as “File Name in This Project”, as in Figure 1.

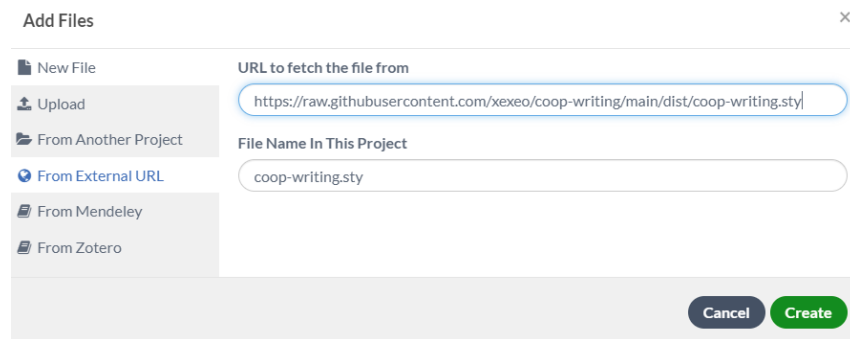


Figure 1: How to link a `coop-writing.sty` file in your project folder in Overleaf to the official distribution.

3 Package Options

Using the package allows the use of all macros and environments described in this manual, however, **if the options are not turned on, there will be no effect on the generated pdf**, since, by default, all options are false.

There are three types of options. The first type enables the visualization of the result of specific macros or environments, such as the `cwdraft` environment. They are named *command oriented options*. You can use many of them in the same time.

The second type represent a state of the text, which can be editing, submit, or publish, and some minor variations. They are named *state oriented options*.

The third type control other behaviors. They are named *behavior oriented options*

If they appear together, state oriented commands have precedence over the others. However, the user should avoid mixing command and state oriented options. Also, most of the time, you should **use only one of the state oriented options**.

It should be clear that the options have no impact on the availability of the macros and environments, they will be there for you to use, but they deeply affect their behavior. A macro that is very complex, such as `\cwauthor`, if one of options `comments` or `editing` is selected, is replaced by a simple version that do almost nothing.

3.1 Command oriented options

<code>subjects</code>	• <code>subjects</code> , enables the use of <code>\subject</code> , which is proposed as a paragraph heading describing its subject;
<code>comments</code>	• <code>comments</code> , enables all editorial comments and the command <code>\pleasecite</code> ;
<code>drafts</code>	• <code>drafts</code> , enables the <code>\cwdraft</code> command;
<code>suggestions</code>	• <code>suggestions</code> , enables the comments defined in the suggestion section of this text.
<code>anonymize</code>	• <code>anonymize</code> , enables anonymization commands, and
<code>todos</code>	• <code>todos</code> , enables the to do family of commands.

3.2 State oriented options

<code>submit</code>	• <code>submit</code> , enables the submit state. anonymization is on, subjects, comments, drafts and suggestions are off
<code>noanonymize</code>	• <code>noanonymize</code> , disables anonymizations even in <code>submit</code> and <code>editing</code> options
<code>publish</code>	• <code>publish</code> , disables all command oriented options, ignore suggestions.
<code>acceptingpublish</code>	• <code>acceptingpublish</code> , disables all command oriented options, accept suggestions
<code>editing</code>	• <code>editing</code> , enables subjects, comments, drafts, anonymize, and suggestions.

3.3 Behavior oriented options

Some of this option are inherited from `ed`.

- `nopdfbookmarks` will avoid adding bookmarks in the `pdf` file for all comments. The default behavior of `coop-writing` is adding them.
- `toclofttitles` toggles the option `titles` in `tocloft`, that avoid the redefinition of `\listoffigures` and `\listoftables`. This fix the bug with

CoppeTeX package, identified as coppe.

3.4 General behavior

The general behavior of this package is to provide different ways of marking your text, for example with comments or to do notes, that can be totally suppressed when desired. Mostly, this can be easily done using one of the 3 main option states: `editing`, `submit`, and `publish`.

Users should use the `editing` state most of the time. In this state, all markings will appear and the anonymization will be off.

When submitting, the `submit` state will provide a clean article, without any markings. Most of the times the article should be anonymized, but if this is not enforced, it is possible to use the options `submit` and `noanonymize` together. `publish` will never anonymize.

The goal is to make the `submit` and `publish` documents states minimally invasive, to avoid any clash with publishers' styles. A clash will be considered a bug, and should be reported to the authors.

If you use comments, there will be a lot of "Marginpar moved" warnings. This is normal behavior, caused by the margin notes.

4 Version

It is possible that the user wants to know the version being used. We provide two commands for it.

`\coopwritingversion`
`\printcoopwritingversion`

Provides the current version

Provides name and version

`\coopwritingversion` was used in the title of this article. The current version is v1.2.3.

If needed, the second macro prints also the name of the package:

`\printcoopwritingversion`

will result in:

coop-writing v. v1.2.3

Please state the version when reporting bugs.

5 Editorial comments

This is the main reason of this package.

Xexéo:2

The idea is that not only users can make editorial comments on the text they are writing, but they can also establish a dialog through those comments. In this package an editorial comment has 3 visual parts: an intervention in the text, a margin note indicating this intervention, and a footnote explaining it². Figure 2 illustrates this behavior.

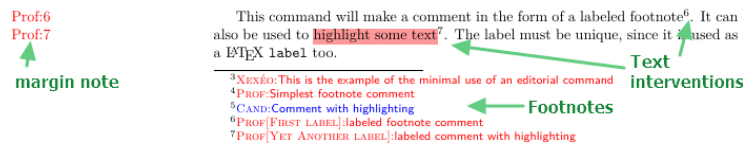


Figure 2: How comments appear in the document when `editing` option is on.

5.1 Creating authors

`\cwnamedef`

This macro creates a series of commands based on a desired base command name. The command name is, usually, the name of the author, of the editor, or a function in the work being done.

It must be given in the preamble of the \LaTeX document, i.e., before the `\begin{document}` declaration. It is usually done just after the `\usepackage{coop-writing}` line. Its syntax is:

```
\cwnamedef {<name>}{<color>}{<author-name>}
```

Where `<name>` will be the base command name, which generates different commands by receiving suffixes, `<color>` is the color to be used by all comments and suggestions made by this author, and `<author-name>` is the string to be used to represent the author.

As an example, I usually declare myself as:

```
\cwnamedef{xexeo}{red}{Xexéo}
```

And, among other commands, `\xexeo` will be defined in such a way that it generates a footnote written in red, with a indicative margin note in the same color. Both will be identified with “Xexéo”³.

Xexéo:3

The `<name>` and `<author-name>` are different to support short command names and characters not supported in \LaTeX macros. Therefore, if your name is *Gutenberg* you can create a family of commenting macros based on `\gut`, but use “Gutenberg” as your identifier.

`\cwauthor`
`\cweditor`

Two authors are pre-defined in the style, `cwauthor` and `cweditor`, to represent an author and an editor.

²XEXÉO:This is the simplest form of an editorial note.

³XEXÉO:This is the example of the minimal use of an editorial command

5.2 Available commands

For each user created with command name $\langle name \rangle$, such as `cwauthor` and `cweditor`, used as example, the following commands are available.

5.2.1 Comments

<code>\<name></code>	<code>\<name> [\langle selection \rangle] {\langle footnote comment \rangle}</code>
<code>\cwauthor</code>	<code>\cwauthor [\langle selection \rangle] {\langle footnote comment \rangle}</code>
<code>\cweditor</code>	<code>\cweditor [\langle selection \rangle] {\langle footnote comment \rangle}</code>

These are the simplest commands, and will make a comment in the form of a identified footnote⁴. They can also be used to highlight some text⁵.

5.2.2 Labeled Comments

<code>\<name>r</code>	<code>\<name>r [\langle selection \rangle] {\langle footnote comment \rangle} {\langle label \rangle}</code>
<code>\cwauthorr</code>	<code>\cwauthorr [\langle selection \rangle] {\langle footnote comment \rangle} {\langle label \rangle}</code>
<code>\cweditorr</code>	<code>\cweditorr [\langle selection \rangle] {\langle footnote comment \rangle} {\langle label \rangle}</code>

This command will make a comment in the form of a labeled footnote⁶. It can also be used to highlight some text⁷. The label must be unique, and usually a single word, since it is used as a L^AT_EX `\label` too. You can refer to this command using `\ref{cw:\meta{label}}`. For example, the comment 6 would be referenced as `\ref{FirstLabel}`.

5.3 Striked-throught comments

After using the editorial comments for a time we started to delete the old ones that represented fixed problems. However, we notice that some comments should be kept, even if solved. The solution was to create the striked-trought comments. They are easy to use, just put an `x` after the command name.

<code>\<name>x</code>	<code>\<name>x [\langle selection \rangle] {\langle footnote comment \rangle}</code>
<code>\cwauthorx</code>	<code>\cwauthorx [\langle selection \rangle] {\langle footnote comment \rangle}</code>
<code>\cweditorx</code>	<code>\cweditorx [\langle selection \rangle] {\langle footnote comment \rangle}</code>

This command will make a comment in the form of a footnote⁸, however the

⁴AUTHOR:Simplest footnote comment

⁵EDITOR:Comment with highlighting

⁶AUTHOR[FIRSTLABEL]:labeled footnote comment

⁷AUTHOR[OTHERLABEL]:labeled comment with highlighting

⁸EDITOR:Simplest footnote comment

Author:9

comment is struck through. It can also be used to highlight some text⁹.

```
\<name>rx      \<name>rx [\<selection>]{\<footnote comment>}{\<label>}
\cwauthorrrx  \cwauthorrrx [\<selection>]{\<footnote comment>}{\<label>}
\cweditorrrx  \cweditorrrx [\<selection>]{\<footnote comment>}{\<label>}
```

Author:10

This command will make a comment in the form of a labeled footnote¹⁰, however the comment is struck through. It can also be used to highlight some text¹¹. The label must be unique, since it is used as a L^AT_EX label too.

Author:11

5.4 Text Modification - Suggestions

Sometimes one of the authors wants to insert, remove or edit some text, but he or she is not sure that every one will agree, therefore he or she can make a suggestion, that will appear with his or her color.

```
\<name>sug      \<name>sug [\<comment>]{\<suggested text>}
\cwauthorsug   \cwauthorsug [\<comment>]{\<suggested text>}
\cweditorsug   \cweditorsug [\<comment>]{\<suggested text>}
```

This macro supports making a suggestion. It inserts text, using the color chosen by the author. It is also possible to make a comment, but in this command the command is the optional argument.

As example, in this paragraph the following text:

```
\cwauthorsug{inserted text} will appears in the red, and it is
possible to \cweditorsug[I want to insert this]{use a comment}.
```

generates:

Editor:12

inserted text will appears in the red, and it is possible to use a comment¹².

```
\<name>rem      \<name>rem [\<comment>]{\<suggested removal>}
\cwauthorrem    \cwauthorrem [\<comment>]{\<suggested removal>}
\cweditorrem    \cweditorrem [\<comment>]{\<suggested removal>}
```

This macro is used to suggest removals.

For example:

This is an example \cwauthorrem{that is quite good}.
Again, it is also possible to comment
the \cwauthorrem[Repeated words]{the removal} removal.

⁹ AUTHOR:Comment with highlighting

¹⁰ AUTHOR[SECOND LABEL]:labeled footnote comment

¹¹ AUTHOR[NEW LABEL]:labeled comment with highlighting

¹² EDITOR:I want to insert this

generates:

This is an example ~~that is quite good~~. Again, it is also possible to comment the ~~the removal~~¹³ removal.

Author:13

```
\<name>swap      \<name>swap[<comment>]{<suggested removal>}{<suggested insertion>}
\cwauthorswap    \cwauthorswap[<comment>]{<suggested removal>}{<suggested insertion>}
\cweditorwap     \cweditorwap[<comment>]{<suggested removal>}{<suggested insertion>}
```

This will work as the union of a removal and a suggestion. Actually, both are simplified forms of this command.

For example:

```
\cwauthorswap{This should work like this.}%
{This is an example of how the command should work.}%
The following text is not a suggestion.
```

generates:

~~This should work like this~~. This is an example of how the command should work. The following text is not a suggestion.

5.5 Putting more warning in text

It is possible to define a symbol, or any other thing, to appear before the superscript number that indicates the comment.

`\cwsetcommwarn` This is done using the following command and syntax:

```
\cwsetcommwarn{<symbol>}
```

Using package `marvosym`, the example:

```
\cwsetcommwarn{\Lightning}
```

will change the behavior of editorial¹⁴ comments to include the `⚡` symbol.

You can remove the symbol by simply using `\cwsetcommwarn{}`

It should be clear that `coop-writing` does not provide any font. If the user wants to use one font, like `marvosym`, he or she must import it with `\usepackage`.

5.6 A tip for using comments

A student asked me to give a priority to my demands. This would make me add yet another set of commands, with more arguments. labels don't work because they must be unique to allow for being used as references.

¹³AUTHOR:Repeated words

¹⁴XEXÉO:This comment superscript number should be preceded by a `⚡`

Xexéo:14

The solution, however, is simple, special characters, such as `*`, `\star` can be used and are highly efficient to communicate priority¹⁵.

Using other fonts, more can be accomplished. For example, package `marvosym` offers `\HollowBox`, `□`, `\Checkedbox`, `☑`, `\CrossedBox`, `☒`, which can be used to indicate that something should be done, is done or will not be done.

6 Anonymization

Anonymization will provide commands to replace names and references by anonymous names and references. It will, by default, be enable only in the `submit` option

There are 4 anonymization commands:

<code>\cwanon</code>	• <code>\cwanon{<text>}</code>
<code>\cwanoncite</code>	• <code>\cwanoncite[<cite-compatible-oarg>]{<cite-compatible-arg>}</code>
<code>\cwanoncitet</code>	• <code>\cwanoncitet[<citet-compatible-oarg>]{<citet-compatible-arg>}</code>
<code>\cwanoncitem</code>	• <code>\cwanoncitem[<citep-compatible-oarg>]{<citep-compatible-arg>}</code>

The alternative text used by anonymization commands can be configured with other commands:

<code>\cwdefanontext</code>	• <code>\cwdefanontext{<replacement-text>}</code>
<code>\cwdefanoncitetext</code>	• <code>\cwdefanoncitetext{<replacement-text>}</code>
<code>\cwdefanoncitetttext</code>	• <code>\cwdefanoncitetttext{<replacement-text>}</code>
<code>\cwdefanonciteptext</code>	• <code>\cwdefanonciteptext{<replacement-text>}</code>

The example:

```
My name is \cwanon{Geraldo Xexéo}, and I read \cwanoncite{ed},
\cwanoncitem[pags 1]{todonotes}, % \cwanoncitet{xcolor}.
```

generates:

My name is Anonymous, and I read (Anonymous, Year), (Anonymous, Year), Anonymous (Year).

Changing values, as in:

```
\cwdefanontext{Can't say}
\cwdefanoncitetext{[0]}
\cwdefanonciteptext{[X]}
\cwdefanoncitetttext{[Anon]}
```

¹⁵XEXÉO:★★ Two stars are still low priority

```
My name is \cwanon{Geraldo Xexéo}, and I read \cwanoncite{ed},
\cwanoncitem[pags 1]{todonotes}, % \cwanoncitet{xcolor}.
```

generates:

My name is Can't say, and I read [0], [X], [Anon].

7 Draft environment

cdraft The **cdraft** environment aims to allow writers to include text that is marked somehow as a draft¹

This environment is evolving, looking for a good way to signal the draft status, due to the different interactions with the packages it uses and user's packages. It has one optional parameter that names the draft. Its default value is “Draft”. If the **draft** option is not enabled, the text inside the title and the text inside the environment will not appear. The user should remember that some options will automatically turn on the **draft** option, such as the option **edicao**.

\cssetdraftcolor The color of the title highlight can be changed with

```
\cssetdraftcolor{<color>}
```

The example:

```
\begin{cdraft}[A draft title]
This is the example of a draft.
The title must be highlighted
There must be a box around it.
\end{cdraft}

\cwsetdraftcolor{blue}
\begin{cdraft}
This draft has the default title.
\end{cdraft}
```

generates:

A draft title

This is the example of a draft.

The title must be highlighted

¹This was motivated because my students liked to hide text from me because “it was only a draft”, but I need to have some way to measure if they were advancing. Marking text as a draft allowed them to be free of the fear of showing errors to me. I see it most as a psychological support to writing without fear of making mistakes. And, yes, you can still use footnotes and they will be correctly numbered

There must be a box around it.

Draft

This draft has the default title.

8 Subjects

`\cwssubject`
`\cwmain`

`\cwssubject[⟨color⟩]{⟨text⟩}`

These are alternatives supposed to help organizing a text.

`\cwssubject` provides a header or title for a paragraph.

`\cwmain` provides an emphasis (yellow highlight by default) for any text. It should be used in the main message of the paragraph

The idea here is that each paragraph should be about one and only one subject, and that reading these paragraph title will allow the authors to better understand what is being written and in which sequence.

This feature was inspired by Minto [Min09].

The example:

```
\cwssubject{Example of a subject}
```

A subject is the main subject of a paragraph

```
\cwssubject[pink]{A pink colored subject}
```

You can use other colors, such as pink.

```
\cwsetsubjectcolor{cyan}
```

```
\cwssubject{All subjects will be cyan.}
```

You can use other colors, such as pink.

generates:

Example of a subject

A subject is the main subject of a paragraph

A pink colored subject

You can use other colors, such as pink.

All subjects will be cyan.

You can use other colors, such as pink.

While the example:

```

\cwmain{This is the main idea}. This is the explanation. These are examples.

\cwmain[pink]{This is another main idea}. This is the explanation. These are examples.

\cwsetmaincolor{cyan}
\cwmain{This is the main idea}. This is the explanation. These are examples.

```

generates:

```

This is the main idea. This is the explanation. These are examples.
This is another main idea. This is the explanation. These are examples.
This is the main idea. This is the explanation. These are examples.

```

Intentionally, entries in `\cwsubject` and `\cwmain` go both for the list of subjects, since users should use one or another for each paragraph.

8.1 Reconfiguring the behavior of `cwmain`

It is possible to reconfigure partially the behavior of `\cwmain` by using the standard \LaTeX macro `\renewcommand` on the command `\cwmainemphasis`.

Its standard definition is:

```
\newcommand{\cwmainemphasis}[1]{\hl{#1}}
```

And this will highlight it with the current highlight color, which can be easily defined with `\cwsetmaincolor`.

However, suppose if you want the text to be in bold, you must redefine this command, like in:

```
\renewcommand{\cwmainemphasis}[1]{\textbf{#1}}
```

This is easy to do, but an error can always cause mayhem.

Therefore, the example:

```

\renewcommand{\cwmainemphasis}[1]{\textbf{#1}}
\cwmain{This is the main idea}. This is the explanation. These are examples.

```

generates.

This is the main idea. This is the explanation. These are examples.

9 Lists

<code>\listofcomments</code>	Comments, citation demands and subjects can be list with these commands.
<code>\listofcitationneeds</code>	The lists will only appear if their commands are enable (or in the all-enabling editing option).
<code>\listofsubjects</code>	

They are usually put in the end of the file.

10 To dos

Xexéo:¹⁶

`\todo` The `todo` command is a much simpler version than the one available in `todonotes`¹⁶. Its syntax is:

```
\todo[inline]{<text>}
```

To do:¹⁷

A `todo` without a `inline` option is equivalent to a comment of author “To do”¹⁷. With the option, the text will appear inside an orange box, as in the example below.

The example:

```
\todo[inline]{This command can have other options,  
based on other implementations of to do in different packages.}
```

generates:

This command can have other options, based on other implementations of to do in different packages

`\cwdefinetodocolor`

It is possible to change the background color of the box using this macro . The idea, however, is that all to-dos should have the same color.

```
\cwdefinetodocolor{<color>}.
```

The example:

```
\cwdefinetodocolor{yellow}  
\todo[inline]{This command can have other options,  
based on other implementations of to do in different packages.}
```

generates:

This command can have other options, based on other implementations of to do in different packages.

11 Language Support

This style supports the following `babel` defined languages:

¹⁶XEXÉO:But it will grow in power with time

¹⁷TO DO:This is how it works without the inline option

- brazil,
- brazilian,
- portuguese, and
- english.

`\cwcommentstitle` To use other language, or to use other texts instead of the standard ones, you
`\cwdrafttitle` should define these macros, as in:
`\cwsubjtitle` `\def\cwdrafttitle{Draft}`
`\cwcitationstitle` `\def\cwcommentstitle{List of Comments}`
`\cwpleasecitetext` `\def\cwsubjtitle{List of Subjects}`
`\cwpleasecitemessage` `\def\cwcitationstitle{List of Citation Needs}`
`\cwpleasecitemarginnote` `\def\cwpleasecitetext{Plese cite}`
 `\def\cwpleasecitemessage{something to support this information}`
 `\def\cwpleasecitemarginnote{Cite}`

12 Warnings

This package uses another package that changes L^AT_EX's standard behavior for summary and lists. When you use it, you must explicitly change pages with `\newpage` before `\tableofcontents` or similar commands.

13 The commands in Portuguese

This section is in Brazilian Portuguese.

A Tabela 1 Mostra o mapeamento em inglês e português.

Tabela 1: Tradução dos comandos para português.

Tipo	Inglês	Português
environment	<code>cwdraft</code>	<code>rascunho</code>
macro	<code>\cwnamedef</code>	<code>\cwautor</code>
macro	<code>\cwsubject</code>	<code>\cwassunto</code>
macro	<code>\listofcomments</code>	<code>\listofcomentario</code>
macro	<code>\listofsubjects</code>	<code>\listofassunto</code>
macro	<code>\listofcitationneeds</code>	<code>\listofcomentarioref</code>
macro	<code>\todo</code>	<code>\todo</code>

13.1 Opções em Português

As seguintes opções são aceitas em português, todas sem acentos ou cedilha: anonimizar, naoanonimizar, rascunhos, assuntos, comentarios, edicao, submeter, publicar, sugestoes, publicaraceitando.

14 Comparision with other packages

It is interesting to compare this package with other 3:

- **ed** has more features for commenting, and is more configurable, however it does not have colors.
- **todonotes** it does not have the identification of the commentator, which must be put by hand. It has more options too.
- **color-edits** does not support to do notes and drafts.

15 Interaction with other packages

This packages uses other packages, and this can cause interaction with them and even other packages. \LaTeX is a harsh mistress.

tocloft seems to be the main agressor and it is a candidate to be removed, since its function in the code is mostly secondary, generate lists of the comments, etc.

tocloft interacts with **memoir**. At this point, I blame **memoir**, since it **emulates tocloft**, but change syntax and behavior. This is a crazy idea for me, and show the need for namespaces in \LaTeX .

tocloft also interacts with **coppe**, the class for the CoppeTeX package, which I am one of the maintainers, both redefine LoF and LoT. More IFs, that detect coppe and turn on **titles** option in **tocloft**, and a new option **toclofttitles** to solve the general problem of **tocloft** changing LoF and LoT definitions.

16 Implementation

This package was initially written in Portuguese. As it become more useful, it was translated to English. There are still some signs of this in the code.

16.1 Access to the current version

We provide some macros for the user to know the version being used.

<code>\coopwritingversion</code>	Provides current version of coop-writing
	<code>1 \newcommand{\coopwritingversion}{\cw@version}%</code>
<code>\printcoopwritingversion</code>	Provides package name and version
	<code>2 \newcommand{\printcoopwritingversion}{coop-writing v. \coopwritingversion}%</code>

16.2 Option Processing

16.2.1 Creating Options Variables used in ed

Some come from ed code and are being cleaned

```

3 \newif\ifshowednotes\showednotesttrue%
4 \newif\ifmargins\marginstrue%
5 \newif\ifednotebookmarks\ednotebookmarkstrue%
6 % \subsubsection{Creating Original Options Variables}
7 \newif\if@showcomentario\@showcomentariofalse%
8 \newif\if@naoanonimizar\@naoanonimizarfalse%
9 \newif\if@showdraft\@showdraftfalse%
10 \newif\if@showsubjects\@showsubjectsfalse%
11 \newif\if@showsgestao\@showsgestaofalse%
12 \newif\if@beanonymous\@beanonymousfalse%
13 \newif\if@showtodo\@showtodofalse%
14 \newif\if@modoedicao\@modoedicaofalse%
15 \newif\if@modosubmeter\@modosubmeterfalse%
16 \newif\if@modopublicar\@modopublicarfalse%
17 \newif\if@modopublicaraceitando\@modopublicaraceitandofalse%
18 \newif\if@cwtoctlofttitles\@cwtoctlofttitlesfalse

```

16.2.2 Portuguese Options

```

19 \DeclareOption{rascunhos}{\@showdrafttrue}
20 \DeclareOption{comentarios}{\@showcomentariottrue}
21 \DeclareOption{anonimizar}{\@beanonymoustrue}
22 \DeclareOption{naoanonimizar}{\@naoanonimizarttrue}
23 \DeclareOption{sugestoes}{\@showsgestaottrue}
24 \DeclareOption{assuntos}{\@showsubjectstrue}
25 \DeclareOption{edicao}{\@modoedicaottrue}
26 \DeclareOption{submeter}{\@modosubmetertrue}
27 \DeclareOption{publicar}{\@modopublicarttrue}
28 \DeclareOption{publicaraceitando}{
29     \@modopublicarttrue
30     \@modopublicaraceitandottrue
31 }

```

16.2.3 English Options, inspired on ed package

```
32 \DeclareOption{nopdfbookmarks}{\ednotebookmarksfalse}
```

16.2.4 Original English Options

```
33 \DeclareOption{comments}{\@showcomentariottrue}
34 \DeclareOption{anonymize}{\@beanonymoustrue}
35 \DeclareOption{noanonymize}{\@naoanonimizartrue}
36 \DeclareOption{suggestions}{\@showsugestaottrue}
37 \DeclareOption{subjects}{\@showssubjectstrue}
38 \DeclareOption{drafts}{\@showdrafttrue}
39 \DeclareOption{todos}{\@showtodottrue}
40 \DeclareOption{editing}{\@modoedicaottrue}
41 \DeclareOption{submit}{\@modosubmetertrue}
42 \DeclareOption{publish}{\@modopublicartrue}
43 \DeclareOption{acceptingpublish}{
44     \@modopublicartrue
45     \@modopublicaraceitandottrue
46 }
```

New option to titles in tocloft

```
47 \DeclareOption{toclofttitles}{\@cwtoclofttitlestrue}
48 \ProcessOptions\relax
```

16.2.5 Fixing the Super Options

```
49 \if@modoedicao
50 \@showssubjectstrue
51 \@showdrafttrue
52 \@showcomentariottrue
53 \@showsugestaottrue
54 \@beanonymoustrue
55 \@showtodottrue
56 \fi
57 \if@modosubmeter
58 \@showssubjectsfalse
59 \@showdraftfalse
60 \@showcomentariofalse
61 \@showsugestaofalse
62 \@beanonymoustrue
63 \@showtodofalse
64 \fi
65 \if@naoanonimizar
66 \@beanonymousfalse
67 \fi
68 \if@modopublicar
69 \@showssubjectsfalse
70 \@showsugestaofalse
71 \@showdraftfalse
72 \@showcomentariofalse
73 \@beanonymousfalse
74 \@showtodofalse
```

```

75 \fi%
76 \if@showtodo
77 \@showcomentariottrue
78 \fi

```

16.3 Required Packages

Packages that are always required

- xcolor - used to support colors
- soulutf8 - this is a variation of soul, used for highlighting
- ulem - used to support strikethrough¹⁸
- tocloft - used to support modifications in lists and tocs
- mdframed - used to support boxes for todos and drafts
- iflang - used to check if language is loaded and define new words not in Babel

```

79 \RequirePackage{xcolor}
80 \RequirePackage{soulutf8}
81 \RequirePackage[normalem]{ulem}
82 \RequirePackage{etoolbox}
83 \RequirePackage{environ}
84 \RequirePackage{xstring}
85 \RequirePackage{csquotes}
86 \RequirePackage{mdframed}

```

16.4 Optional Packages

Package that are required only sometimes

```

87 \ifshowednotes%
88 \else%
89 \RequirePackage{verbatim}%
90 \fi%

```

16.5 CoppeTeX problems

tocloft and CoppeTeX have different assumptions whether LoF, LoT and etc... appears in ToC. In default Book, they do not appear

```

91 \@ifclassloaded{coppe}%
92 {%
93 \RequirePackage[titles]{tocloft}%
94 }%
95 {%
96 \if@cwttoclofttitles%
97 \RequirePackage[titles]{tocloft}%

```

¹⁸To do:I must complete this explanation list

```

98 \else%
99 \RequirePackage{tocloft}%
100 \fi%
101 }%

```

Checking if babel is loaded, use iflang

```

102 \@ifpackageloaded{babel}%
103 {% \message{Babel Loaded!}%
104 \RequirePackage{iflang}%
105 }{%
106 \message{Babel not detected!}%
107 }%

```

hyperref must always be the last

```

108 \ifednotebookmarks\RequirePackage{hyperref}\fi

```

16.6 Solving problems with other packages

16.6.1 Problems with abntex2 and memoir

abntex2 causes error in \newlistof, you can't refer to chapter, section or other counter as optional argument

This error is actually memoir fault¹⁹, since it emulates tocloft (and other packages). I can't imagine why...

Therefore, we will avoid using the command with option when the class is present

```

109 \@ifclassloaded{memoir}%
110 {% TRUE
111 \newif\if@cwmemoirdefense\@cwmemoirdefensetrue%
112 }%
113 {% FALSE
114 \newif\if@cwmemoirdefense\@cwmemoirdefensefalse%
115 }%
116 %

```

16.7 Color related variables

```

117 \newcommand{\cor@prof}{red}%
118 \newcommand{\cor@cand}{blue}%
119 \newcommand{\cor@subject}{green}%
120 \newcommand{\cor@main}{yellow}%
121 \newcommand{\cor@citar}{purple}%
122 \newcommand{\cor@hldraft}{yellow}%

```

¹⁹CITE:Please cite memoir package

```
123 \newcommand{\cw@cftnumwidth}{20pt}
```

16.8 I18N Almost Using Babel

We can detect if babel is enable and allow for some languages. If you want to use another language, you must set new values for the command `\cwdrafttitle`. I really thought that it was possible to do something smarter with babel, for example using `\setlocalecaption`, but no attempt worked out was I wanted.

There are some packages, as `translator` that can be useful but up to now this seems to be the easiest way of doing it.

The advantage of this way is that any user can `\renewcommand{\cwdrafttitle}{some text}`.

```
124 \def\cwdrafttitle{Standard Draft}%
125 \def\cwcommentstitle{Standard List of Comments}%
126 \def\cwsubjtitle{Standard List of Subjects}%
127 \def\cwcitationstitle{Standard List of Citation Needs}%
128 \def\cwpleasecitetext{Plese cite}%
129 \def\cwpleasecitemessage{something to support this information}%
130 \def\cwpleasecitemarginnote{Cite}%
131 %
132 \@ifpackageloaded{babel}%
133 {%
134   \IfLanguageName{brazil}%
135   {%
136     \def\cwdrafttitle{Rascunho}%
137     \def\cwcommentstitle{Lista de Comentários}%
138     \def\cwsubjtitle{Lista de Assuntos}%
139     \def\cwcitationstitle{Necessidades de Citação}%
140     \def\cwpleasecitetext{Favor citar}%
141     \def\cwpleasecitemessage{alguma coisa que suporte este texto}%
142     \def\cwpleasecitemarginnote{Citar}%
143   }{}%
144   \IfLanguageName{brazilian}%
145   {%
146     \def\cwdrafttitle{Rascunho}%
147     \def\cwcommentstitle{Lista de Comentários}%
148     \def\cwsubjtitle{Lista de Assuntos}%
149     \def\cwcitationstitle{Necessidades de Citação}%
150     \def\cwpleasecitetext{Favor citar}%
151     \def\cwpleasecitemessage{alguma coisa que suporte este texto}%
152     \def\cwpleasecitemarginnote{Citar}%
153   }{}%
154 %
155   \IfLanguageName{portuguese}%
156   {%
157     \def\cwdrafttitle{Rascunho}%
158     \def\cwcommentstitle{Lista de Comentários}%
159     \def\cwsubjtitle{Lista de Assuntos}%

```

```

160      \def\cwcitationstitle{Necessidades de Citação}%
161      \def\cwpleasecitetext{Favor citar}%
162      \def\cwpleasecitemessage{alguma coisa que suporte este texto}%
163      \def\cwpleasecitemarginnote{Citar}%
164  }{}%
165 %
166  \IfLanguageName{english}%
167  {%
168      \def\cwdrafttitle{Draft}%
169      \def\cwcommentstitle{List of Comments}%
170      \def\cwsubjtitle{List of Subjects}%
171      \def\cwcitationstitle{List of Citation Needs}%
172      \def\cwpleasecitetext{Plese cite}%
173      \def\cwpleasecitemessage{something to support this information}%
174      \def\cwpleasecitemarginnote{Cite}%
175  }{}%
176 }%
177 {}%

```

16.9 ed inspired code

This code, inspired in the `ed` package²⁰, makes the basic mechanism for inserting comments as footnotes with an observation in the margin. As an addition to `ed`, it support colors and some text before the superscript number in the text

`cwnotecounter` Setting up the counter that gives the number of the footnote

```
178 \newcounter{cwnotecounter}%
```

16.9.1 The footnote

Format for the text

```
179 \newcommand\cw@noteshape{\sffamily}%
```

Defining the variable that holds the color to be printed. `soul` made it quite complex, global variable is not the best programming technique, but it works.

```
180 \def\cw@currentcolor{black}%
```

footnote indicador e rótulo

`\cw@foot` This macro write the text in the footnote using with standard L^AT_EX `\footnotetext`

It uses counter `cwnotecounter` in arabic. It prints the footnote using the currently defined color (That is a global variable, setted up elsewehre. This is not

²⁰CITE:Plese cite ed package

good programming practice, but it turned out to be the easiest way of doing it in L^AT_EX without more and more arguments.)

Syntax: `\cw@foot{⟨footnote-text⟩}{⟨author-name⟩}{⟨label⟩}`

If this is a labeled note, it will create a L^AT_EX label on the format

`cw:⟨label⟩`

That can be used in a `\ref` command.

```
181 \newcommand\cw@foot[3]%
182 {%
183 \def\@test{#3}% \@test just checks if argument #3 exists
184 \footnotetext[\arabic{cwnotecounter}]%
185 {%
186 {\scshape\textcolor{\cw@currentcolor}{#2}}%
187 \if\@test%
188 \@empty%
189 \else%
190 \label{cw:#3}%
191 \textcolor{\cw@currentcolor}{[#3]}% if \meta{label} is not empty
192 \fi%
193 \textcolor{\cw@currentcolor}{:}}%
194 \cw@noteshape\textcolor{\cw@currentcolor}{#1}}%
195 }%
```

`\cw@mark` This macro generates the footnote mark with standard L^AT_EX `\footnotemark`

```
196 \def\cw@mark@style#1{#1}%
197 \newcommand\cw@mark[1]{\cw@mark@style{\footnotemark[#1]}}%
```

`\cw@beforemarksymbol` These macros control the symbol (or any text) that can appear before the footnote mark
`\cwsetcommwarn`

`\cwsetcommwarn{⟨symbol⟩}`

`⟨symbol⟩` can be of any length, but we suggest only one character. It can be empty, what is the default option, and will print nothing at that point.

```
198 \newcommand{\cw@beforemarksymbol}{}%
199 \newcommand{\cwsetcommwarn}[1]{\def\cw@beforemarksymbol{#1}}%
```

`\cw@footnote` This macro actually makes the footnote symbol, mark and text

Syntax is:

`\cw@footnote{⟨text⟩}{⟨name⟩}{⟨label⟩}`

`⟨label⟩` can be empty, but must be present

It is in this macro that symbol, number and footnote mark end up in the document.

This command also changes the color of footnote mark WARNING: it does that by redefining `\@makefnmark`, however this interferes with normal \LaTeX operation. Therefore we save and restore the original value.

When we change the `\@makefnmark` to a slightly different version that includes color, that is controlled by a “global” is a variable of coop-writing, even if it is not global in the `\gdef` sense.

It is possible that this cause, in a style that changes the footnote, some difference between coop-writing footnotes and normal (style) footnotes. This is not bad necessarily, it can even be good.

```
200 \newcommand\cw@footnote[3]{%
201 \let\@temp@makefnmark\@makefnmark%
202 \def\@makefnmark{\hbox{\@textsuperscript{\normalfont\color{\cw@currentcolor}\@thefnmark}}}%
203 \textcolor{\cw@currentcolor}{\cw@beforemarksymbol\cw@mark{\arabic{cwnotecounter}}}}%
204 \cw@foot{#1}{#2}{#3}%
205 \let\@makefnmark\@temp@makefnmark%
206 }%
```

16.9.2 The margin note

This macro builds the margin note.

```
207 \newcommand\cw@margin[1]{%
208 \ifmargins%
209 \marginpar{\textcolor{\cw@currentcolor}{#1}}%
210 \fi%
211 }%
```

`\Cw@note` Basic function to build the comment

`\Cw@note{<text>}{<name>}{<label>}`

If not label, it must be empty

```
212 \newcommand\Cw@note[3]{% text, name, label
213 {%
214 \addtocounter{cwnotecounter}{1}%
215 \ifshowednotes%
216 \cw@footnote{#1}{#2}{#3}%
217 \ifednotebookmarks%
218 \belowpdfbookmark{#2: #1}{cwnotepdfbm.\thecwnotecounter}%
219 \fi%
220 \fi}%

```

More functions for doing the editorial note

```
221 \newcommand\cw@note[4]{% text, type, label, margin
222 {\Cw@note{#1}{#2}{#3}%

```

```

223 \ifshowednotes%
224 \cw@margin{#4:\arabic{cwnotecounter}}}%
225 \fi}%
226 \newcommand\cwnote@label{Editor}%
227 \newcommand\cwnote@margin{Ed}%
228 \newcommand\cwnotelabel[1]{\def\cwnote@label{#1}}}%
229 \newcommand\cwnotemargin[1]{\def\cwnote@margin{#1}}}%
230 \newcommand{\Cwnote}[2][]{\Cw@note{#2}\cwnote@label{#1}}%

```

`\cwnote` It writes the footnote, the symbol and the margin.

To avoid problems we keep `\cw@currentcolor`

WARNING: will this use a lot of memory? Every creation will keep the old value alive?

```

231 \newcommand{\cwnote}[3][]{%
232 \let\@temp@color\cw@currentcolor%
233 \def\cw@currentcolor{#3}%
234 \cw@note{#2}%
235 \cwnote@label{#1}%
236 \cwnote@margin%
237 \let\cw@currentcolor\@temp@color%
238 }%

```

<https://tex.stackexchange.com/questions/30483/how-can-i-check-in-latex-or-plain-tex-whether-a-command-exists-by-name> as opções comentario, assuntos e anonimizar CORES

`\corleve` Make a color lighter for later use in highlightings This code is more complex than it should be because of `soulutf8`'s package `\hl` behavior. Solution found in: <https://tex.stackexchange.com/questions/410295/soul-color-transparency>

```

239 \newcommand{\cor@suavizacao}{40}%
240 \newcommand{\corleve}[1]{#1!\cor@suavizacao!white}

```

`\cw@hl1` Light highlight makes a `\hl` that is lighter

```

241 \newcommand{\cw@hl1}[2]{} % Depedendo do soulutf8
242 {\colorlet{x@coraqui}{\corleve{#1}}}%
243 \sethlcolor{x@coraqui}%
244 \hl{#2}%
245 }%

```

Isolating cwnote

```

246 %% rótulo texto cor indicador
247 \newcommand{\cw@cwnote}[4][]{%
248 \cwnotelabel{#4}%
249 \cwnotemargin{#4}%

```

```

250 \cwnote[#1]{#2}{#3}%
251 }%

```

16.10 Anonymization

Will write anonymous or cite anonymous. The user has a way to configure the citation as he or she wants.

```

\cw@anontext      Default values for anonymous citation.
\cw@anoncitertext 252 %
\cw@anonciteptext 253 \newcommand{\cw@anontext}{Anonymous}
\cw@anoncitettext 254 \newcommand{\cw@anoncitertext}{(Anonymous, Year)}%
                  255 \newcommand{\cw@anonciteptext}{(Anonymous, Year)}%
                  256 \newcommand{\cw@anoncitettext}{Anonymous (Year)}%

\cwdefanontext    These macros allow to define how anonymous citations will appear is anonymous
\cwdefanoncitertext mode is activated. For exemplo, one can change all the citation formats to [0].
\cwdefanonciteptext 257 \newcommand{\cwdefanontext}[1]{\renewcommand{\cw@anontext}{#1}}%
\cwdefanoncitettext 258 \newcommand{\cwdefanoncitertext}[1]{\renewcommand{\cw@anoncitertext}{#1}}%
                  259 \newcommand{\cwdefanonciteptext}[1]{\renewcommand{\cw@anonciteptext}{#1}}
                  260 \newcommand{\cwdefanoncitettext}[1]{\renewcommand{\cw@anoncitettext}{#1}}%

261 \if@beanonymous
262 \newcommand{\cwanon}[1]{\cw@anontext}%
263 \newcommand{\cwanoncite}[2][\cw@anoncitertext}%
264 \newcommand{\cwanoncitep}[2][\cw@anonciteptext}%
265 \newcommand{\cwanoncitet}[2][\cw@anoncitettext}%
266 \else
267 \newcommand{\cwanon}[1]{#1}%
268 \newcommand{\cwanoncite}[2][\cite{#1}{#2}}%
269 \ifdef{\citep}{\newcommand{\cwanoncitep}[2][\citep{#1}{#2}]{\newcommand{\cwanoncitep}[2][\
270 \ifdef{\citet}{\newcommand{\cwanoncitet}[2][\citet{#1}{#2}]{\newcommand{\cwanoncitet}[2][\
271 \fi%|

```

16.11 Subjects

The idea of subjects is to have one subject for each paragraph.

There are two commands to support it: `\cwsubject[<highlight-color>]{<subject>}` and `\cwmain[<highlight-color>]{<line-inside-a-paragraph>}`

Both are listed with `\listofsubject`.

```

\cwsetsubjectcolor Sets color for all cwsubject and cwcolor
\cwsetmaincolor    272 \newcommand{\cwsetsubjectcolor}[1]{\def\cor@subject{#1}}%
                  273 \newcommand{\cwsetmaincolor}[1]{\def\cor@main{#1}}%

```

`\cwsubject` Currently is just a list of subjects and and a highlight

This is an use for cwsubject

it is a header for a paragraph.

```
274 \if@showsubjects
275 \newcommand{\listsubject}{\cwsubjttitle}%
276 %% cria a lista, depende do pacote tcloft
```

Memoir class needs 2 commands to really define a list It also changes the `\newlistof` arguments' meaning

```
277 \if@cwmemoirdefense%
278 \@ifundefined{chapter}%
279 {\newlistentry[section]{subject}{aaa}{0}}
280 {\newlistentry[chapter]{subject}{aaa}{0}}
281 \newlistof{listofsubject}{aaa}{\listsubject}
282 \else%
283 \@ifundefined{chapter}%
284 {\newlistof[section]{subject}{aaa}{\listsubject}}%
285 {\newlistof[chapter]{subject}{aaa}{\listsubject}}%
286 \fi%
287 %
288 %
289 \newcommand{\cwsubject}[2][\cor@subject]{%
290 \refstepcounter{subject}%
291 \sethlcolor{#1}%
292 \hl{#2}%
293 \par%
294 % I really cantt say why we need to
295 % avoid curly braces in the next command
296 \if@cwmemoirdefense%
297 \addcontentsline{aaa}{subject}{\protect\numberline{\thesubject}#2}%
298 \else%
299 \addcontentsline{aaa}{subject}{\protect\numberline{\thesubject}{#2}}%
300 \fi%
301 }%
```

`\cwmain` This is another way to control the main idea for a paragraph, but using an sentence inside it.

This is a use for cwmain. In the first sentence of a paragraph.

Trying to configure it:

This is a use for cwmain. In the first sentence of a paragraph.

```
302 \newcommand{\cwmainemphasis}[1]{\hl{#1}}
303 %
304 \newcommand{\cwmain}[2][\cor@main]{%
305 \refstepcounter{subject}%
```

```

306 \sethlcolor{#1}%
307 \cwmainemphasis{#2}%
308 \if@cwmemoirdefense%
309 \addcontentsline{aaa}{subject}{\protect\numberline{\thesubject}{#2}}%
310 \else%
311 \addcontentsline{aaa}{subject}{\protect\numberline{\thesubject}{#2}}%
312 \fi%
313 }%
314 %
315 \if@cwmemoirdefense%
316 \else%
317 \setlength{\cftsubjectnumwidth}{\cw@cftnumwidth}%
318 \fi%
319 \else%
320 \newcommand{\listofsubject}{}%
321 \newcommand{\cwsubject}[2] [] {}%
322 \newcommand{\cwmain}[2] [] {#2}
323 \fi%

```

16.12 Editorial Comments

The main subject of this package

```

324 \if@showcomentario
325 %% Resolve a lista de comentários
326 \newcommand{\listcomentario}{\cwcommentstitle}%
327 %% cria a lista
328 \if@cwmemoirdefense%
329 \@ifundefined{chapter}%
330 {\newlistentry[section]{comentario}{ccc}{0}}
331 {\newlistentry[chapter]{comentario}{ccc}{0}}
332 \newlistof{listofcomentario}{ccc}{\listcomentario}%
333 \else%
334 \@ifundefined{chapter}
335 {\newlistof[section]{comentario}{ccc}{\listcomentario}}
336 {\newlistof[chapter]{comentario}{ccc}{\listcomentario}}%
337 \fi%
338 %%
339 %% Comentador genérico - parte I
340 %% faz o cwnote e soma na lista
341 %% [rótulo], texto , cor, indicador
342 \newcommand{\cw@comentar}[4] [] {}%
343 \ifstrempy{#4}{%
344 % rótulo texto cor indicador
345 \cw@cwnote[#1]{#2}{#3}{Comentário}% faz a nota de rodapé do ed
346 \if@cwmemoirdefense%
347 \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#2}}%
348 \else%
349 \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#2}}%

```

```

350 \fi%
351 }%
352 {%
353 \cw@cwnote[#1]{#2}{#3}{#4}%
354 \if@cwmemoirdefense%
355 \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}#4: #2}%
356 \else%
357 \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#4: #2}}%
358 \fi%
359 }%
360 }%
361 %% comentador genérico, parte II
362 %% faz o highlight , soma o step e comenta
363 %% [texto hl] footnote cor indicator
364 \newcommand{\cw@comment}[4][]{%
365 \refstepcounter{comentario}% soma um ao contador
366 \cw@hll{#3}{#1}% ver subfunção de impressão com hl
367 \cw@comentar{#2}{#3}{#4}%
368 }%
369 %%
370 %%
371 \newcommand{\cw@xcomment}[4][]{%
372 \refstepcounter{comentario}% soma um ao contador
373 \cw@hll{#3}{#1}% ver subfunção de impressão com hl
374 \cw@comentar{\sout{#2}}{#3}{#4}%
375 }%
376 %%
377 %%
378 %% comentador genérico com rótulo
379 %% [texto hl] footnote cor indicator rótulo
380 \newcommand{\cw@commentLabeled}[5][]{%
381 \refstepcounter{comentario}%
382 \cw@hll{#3}{#1}%
383 \cw@comentar[#5]{#2}{#3}{#4}%
384 }%
385 %%
386 %% [texto hl] footnote cor indicator rótulo
387 \newcommand{\cw@xcommentLabeled}[5][]{%
388 \refstepcounter{comentario}%
389 \cw@hll{#3}{#1}%
390 \cw@comentar[#5]{\sout{#2}}{#3}{#4}%
391 }%
392 %%
393 \if@cwmemoirdefense%
394 \else%
395 \setlength{\cftcomentariounumwidth}{\cw@cftnumwidth}%
396 \fi%
397 \else
398 \newcommand{\cw@comentar}[4][]{}%
399 \newcommand{\listofcomentario}{}%

```

```

400 %% não pode perder o texto comentado
401 \newcommand{\cw@comment}[4] [] {#1}%
402 \newcommand{\cw@commentLabeled}[5] [] {#1}%
403 \newcommand{\cw@xcomment}[4] [] {#1}%
404 \newcommand{\cw@xcommentLabeled}[5] [] {#1}%
405 \fi%

```

16.13 Suggestions, Removes and Changes

```

406 %% comentário, cor, indicador, textovelho, cor velho, textonovo, cor novo
407 %% Em modo publicar coloca o textovelho
408 \if@showsgestao
409 \newcommand{\cw@gensug}[7] [Uma proposta]{%
410 \textcolor{#5}{\sout{#4}}% CORRIGINDO AQUI
411 \textcolor{#7}{#6}%
412 \if@showcomentario%
413 \ifstrempy{#1}{}%
414 {\refstepcounter{comentario}%
415 \cw@comentar{#1}{#2}{#3}}% [rótulo], cor , footnote , indicador
416 }%
417 \fi%
418 }%% [rótulo], cor , footnote , indicador
419 \else%
420 \if@modopublicaraceitando
421 \newcommand{\cw@gensug}[7] [] {#6}%
422 \else%
423 \newcommand{\cw@gensug}[7] [] {#4}%
424 \fi%
425 \fi%

```

16.14 Citations Needed

One common error of students is not to cite correctly. Citation errors are so common that I decided to provide the option to have an optional list just for them. They are enable together with commentaries, users can use them or not.

```

426 \if@showcomentario%
427 \newcommand{\listcomentarioref}{\cw@citationtitle}%
428 \if@cwmemoirdefense%
429 \@ifundefined{chapter}%
430 {\newlistentry[section]{comentarioref}{ccr}{0}}
431 {\newlistentry[chapter]{comentarioref}{ccr}{0}}
432 \newlistof{listofcomentarioref}{ccr}{\listcomentarioref}
433 \else%
434 \@ifundefined{chapter}%
435 {\newlistof[section]{comentarioref}{ccr}{\listcomentarioref}}
436 {\newlistof[chapter]{comentarioref}{ccr}{\listcomentarioref}}%
437 \fi%
438 \else%

```

```

439 \newcommand{\listofcomentarioref}{}%
440 \fi%
441 \if@showcomentario%
442 \newcommand{\cw@commentref}[3][]{%
443 \refstepcounter{comentarioref}%
444 \cw@hll{#3}{#1}%
445 \cw@cwnote{#2}{#3}{\cwpleasecitemarginnote}%
446 \if@cwmemoirdefense%
447 \addcontentsline{ccr}{comentarioref}{\protect\numberline{\thecomentarioref}{#2}}%
448 \else%
449 \addcontentsline{ccr}{comentarioref}{\protect\numberline{\thecomentarioref}{#2}}%
450 \fi%
451 }%
452 \if@cwmemoirdefense%
453 \else%
454 \setlength{\cftcomentariorefnwidth}{\cw@cftnumwidth}%
455 \fi%
456 \else%
457 \newcommand{\cw@commentref}[3]{}%
458 \fi%
459 \if@showcomentario

```

`\pleasecite` `\pleasecite[<footnote-text>]`

```

460
461 \newcommand{\pleasecite}[1][\cwpleasecitemessage]{%
462 \cw@commentref{\cwpleasecitetext\ #1}{\cor@citar}}%
463 \else%
464 \newcommand{\pleasecite}[1][]{}%
465 \fi%

```

16.15 Draft

cwdraft This enviroment creates a boxed text, with title used as a first parameter It uses package `mdframed` to create the frame. If draft is turned off as an option, it supress everything inside the body. Due to problems with soul accepting `\cwdrafttitle` we use `\colorbox` to support multiple languages if default title is used

```

466 \if@showdraft%
467 \NewEnviron{cwdraft}[1]{}%
468 \ifstrempy{#1}%
469 {\colorbox{\corleve{\cor@hldraft}}{\textbf{\cwdrafttitle}}}%
470 {\cw@hll{\cor@hldraft}{\textbf{#1}}}%
471 \newline%
472 \BODY%
473 }%
474 {}%
475 \surroundwithmdframed{cwdraft}%
476 \else%

```



```

477 \NewEnviron{cwdraft}[1] [] {}{}%
478 \fi%

```

`\cwsetdraftcolor` Sets the color that highlights the draft title

```

479 %
480 \newcommand{\cwsetdraftcolor}[1]{\def\cor@hldraft{#1}}
481 %

```

16.16 Powerful command to create editors and authors

This allows for many types of comments. This was the reason I started using a front-end to `ed`, and later decided to use colors, that `ed` does not support. If I had known of `color-edits`, maybe this package was never done. I actually implemented the same functionalities without knowing about that package. One day, looking for other editorial packages that used editorial symbols, I found `color-edits`, but it was too late, I was already hooked on L^AT_EX programming addiction. nome do autor, cor, identificador

`\cwnamedef`

```

482 \newcommand{\cwnamedef}[3]{%
483 %% cwcomment - texto a hl, cor, comentário, indicador de pessoa
484 \expandafter\newcommand\csname#1\endcsname[2] []%
485 {%
486 \cw@comment{##1}{##2}{#2}{#3}}%
487 % [texto a marcar], cor , comentário, palavra, rótulo
488 \expandafter\newcommand\csname#1r\endcsname[3] []%
489 {\cw@commentLabeled{##1}{##2}{#2}{#3}{##3}}%
490 %% cortados
491 \expandafter\newcommand\csname#1x\endcsname[2] []%
492 {%
493 %% Comentários
494 \cw@xcomment{##1}{##2}{#2}{#3}}%
495 %% [texto a marcar], cor , comentário, palavra, rótulo
496 \expandafter\newcommand\csname#1rx\endcsname[3] []%
497 {\cw@xcommentLabeled{##1}{##2}{#2}{#3}{##3}}%
498 %% sugestões
499 \expandafter\newcommand\csname#1sug\endcsname[2] []%
500 {\cw@gensug{##1}{#2}{#3}{-}{#2}{##2}{#2}}%
501 \expandafter\newcommand\csname#1rem\endcsname[2] []%
502 {\cw@gensug{##1}{#2}{#3}{##2}{#2}{-}{#2}}%
503 \expandafter\newcommand\csname#1troca\endcsname[3] []%
504 {\cw@gensug{##1}{#2}{#3}{##2}{#2}{##3}{#2}}%
505 \expandafter\newcommand\csname#1swap\endcsname[3] []%
506 {\cw@gensug{##1}{#2}{#3}{##2}{#2}{##3}{#2}}%
507 }%

```

```

\cwauthor These are the two standard users.
\cweditor
508 \cwnamedef{cwauthor}{red}{Author}
509 \cwnamedef{cweditor}{blue}{Editor}

```

16.17 To do notes

This was developed because some of my students started a text using `todonotes`, before being aware of my package, therefore I need to have some compatibility to make de change. With time it became useful and I will try to make something better in the future.

`\todo` If option `inline` is not used, it is only a front-end to an editorial comment for a user called “To do”. If it is used, it tries to simulate the simplest behavior of `todonotes` package. In the future this can be enhanced, since package `mdframe` is very powerful. If the non-inline version is used, the to do note will not appear in the List of Commentaries.²¹

```

510 \newcommand{\cw@todobackgroundcolor}{orange}%
511 \cwnamedef{cw@todoauthor}{orange}{To do}%
512 \if@showtodo%
513 \newcommand{\todo}[2][comentar]{%
514 \IfEq{inline}{#1}%
515 {%
516 \begin{mdframed}[backgroundcolor=\cw@todobackgroundcolor]
517 #2%
518 \end{mdframed}%
519 }%
520 {%
521 \cw@todoauthor{#2}%
522 }%
523 }%
524 \else%
525 \newcommand{\todo}[2]{}%
526 \fi%

```

`\cwdefinetodocolor` Allows the definition of a background color for todo notes.

```

527 \newcommand{\cwdefinetodocolor}[1]{\renewcommand{\cw@todobackgroundcolor}{#1}}%

```

16.18 Portuguese/English, or inverse translation table

These next lines of code made easy to convert this package to English, because it was written in Portuguese, for Brazilian researchers. Some commands were

²¹XEXÉO:It would be nice to check if `todonotes` is load and just use it

rewritten in English with time, such as `rascunho`, but the Portuguese version will always be maintained, while other were translated using only his mechanism.

```

528 \let\rascunho=\cwdraft%
529 \let\cwassunto=\cwssubject%
530 \let\favorcitar=\pleasecite%
531 \let\cwautor=\cwnamedef%
532 \let\listofcomments=\listofcomentario%
533 \let\listofcitationneeds=\listofcomentarioref%
534 \let\listofassunto=\listofsubject%
535 \let\listofsubjects=\listofsubject%
536 %

```

End of Code

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Change History

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General: First version	1	recovering L ^A T _E X command
v1.1		(at-sign)makefnmark 1
General: You can put an additional		
symbol before the comment		v1.2.2
superscript number	1	General: Memoir class, used by
v1.1.1		abnetex2, used by my
General: Fix some bugs,		department, “emulates”
anonymization back on manual	1	tocloft, but not correctly.
v1.1.2		Many IFs were necessary 1
General: PDF bookmarks can’t		
handle full UTF	1	v1.2.3
v1.2.0		General: CoppeTex class asks for
General: New command cwmain		LoF and etc... to appear in
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v1.2.1		tocloft, but Book does not
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