

hacksxexeo v4.3.2

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1 Introduction

This package support different forms of comments and editorial marks. It picks ideas from different packages, such as `ed`, `color-edits`, `todonotes`, and others. It was written to support my way of working, and received suggestions from my students. The main goal was to build only a front-end to other packages, but with time, it grow in scope.

As it is my first package, \TeX and \LaTeX programming is sometimes naive. I aimed at building it over other packages, but due to the fact that many packages in this subject clash, I rewrote some code. Also, although aiming at minial interference with other packages, some decisions had to be made.

I had to thank Eduardo Mangeli, that did some previous code.

2 Usage

Este pacote usa outro pacote que transforma o comportamento padrão do sumário e das listas no \LaTeX , que deixam de pular a página automaticamente. Não há por enquanto solução para esse problema, a não ser o óbvio: usar o comando `\newpage` antes dos comandos `\tableofcontents`, etc.

Se você usar o pacote `hyperref`¹, as listas podem ser clicadas para atingir o local do comentário.

2.1 Informing user about versions

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

<code>\hacksxexeoversion</code>	Provides the current version
<code>\printhacksxexeoversion</code>	Provides name and version

2.2 Draft environment

`draft` The draft environment aims to allow writers to include text that is marked some-

¹`CITE:Please cite something to support this information`

how as a draft. It 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. We could also use it while writing papers, since we are not native language speakers. I see it most as a psychological support to writing without fear of making mistakes.

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`.

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

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

A draft title
This is the example of a draft.
The title must be highlighted
There must be a box around it.

Draft
This draft has the default title.

3 Editorial comments

This is to be done ².

4 Subjects

Example of a subject

5 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.

²Prof:Comment

6 Implementation

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

6.1 Access to the current version

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

```
\hacksxexeoversion Provides current version of hacksxexo
1 \newcommand{\hacksxexeoversion}{\hx@version}%

\printhacksxexeoversion Provides package name and version
2 \newcommand{\printhacksxexeoversion}{hacksxexo v. \hacksxexeoversion}%
```

6.2 Option Processing

6.2.1 Creating Options Variables

```
3 \newif\ifshowednotes\showednotetrue
4 \newif\ifmargins\marginstrue
5 \newif\ifmarginnote\marginnotefalse
6 \newif\ifednotebookmarks\ednotebookmarksfalse
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
```

6.2.2 Portuguese Options

```
18 \DeclareOption{rascunhos}{\@showdrafttrue}
19 \DeclareOption{comentarios}{\@showcomentariotrue}
20 \DeclareOption{anonimizar}{\@beanonymoustrue}
21 \DeclareOption{naoanonimizar}{\@naoanonimizartrue}
22 \DeclareOption{sugestao}{\@showsgestaotrue}
23 \DeclareOption{assuntos}{\@showsubjectstrue}
24 \DeclareOption{edicao}{\@modoedicaotrue}
25 \DeclareOption{submeter}{\@modosubmetertrue}
26 \DeclareOption{publicar}{\@modopublicartrue}
27 \DeclareOption{publicaraceitando}{
28   \@modopublicartrue
29   \@modopublicaraceitandotrue
30 }
```

6.2.3 English Options

```
31 \DeclareOption{show}{\showednotesttrue\message{ed.sty: showing ednotes}}
32 \DeclareOption{hide}{\showednotesfalse\message{ed.sty: hiding ednotes}}
33 \DeclareOption{draft}{\showednotesttrue\message{ed.sty: showing ednotes}}
34 \DeclareOption{final}{\showednotesfalse\message{ed.sty: hiding ednotes}}
35 \DeclareOption{nomargins}{\marginsfalse}
36 \DeclareOption{marginnote}{\marginnotetrue}
37 \DeclareOption{pdfbookmarks}{\ednotebookmarkstrue}
38 \DeclareOption{comments}{\@showcomentariottrue}
39 \DeclareOption{anonimize}{\@beanonymoustrue}
40 \DeclareOption{noanonimize}{\@naoanonimizartrue}
41 \DeclareOption{suggestions}{\@showsugestaottrue}
42 \DeclareOption{subjects}{\@showssubjectstrue}
43 \DeclareOption{drafts}{\@showdrafttrue}
44 \DeclareOption{todos}{\@showtodottrue}
45 \DeclareOption{editing}{\@modoedicaottrue}
46 \DeclareOption{submitting}{\@modosubmetertrue}
47 \DeclareOption{publishing}{\@modopublicartrue}
48 \DeclareOption{acceptedpublishing}{\@
49     \modopublicartrue
50     \modopublicaraceitandottrue
51 }
52 \ProcessOptions\relax
```

6.2.4 Fixing the Super Options

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

```

77 \@beanonymousfalse
78 \@showtodofalse
79 \fi%
80 \if@showtodo
81 \@showcommentariottrue
82 \fi

```

6.3 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 strikethrough³

```

83 \RequirePackage{xcolor}
84 \RequirePackage{soulutf8}
85 \RequirePackage[normalem]{ulem}
86 \RequirePackage{tocloft}
87 \RequirePackage{etoolbox}
88 \RequirePackage{environ}
89 \RequirePackage{xstring}
90 \RequirePackage{csquotes}
91 \RequirePackage{mdframed}

```

6.4 Optional Packages

Package that are required only sometimes

```

92 \ifshowednotes
93 %\RequirePackage{paralist}
94 \ifmarginnote\RequirePackage{marginnote}\fi
95 \else
96 \RequirePackage{verbatim}
97 \fi%

```

Checking if babel is loaded, use iflang

```

98 \@ifpackageloaded{babel}%
99 {% \message{Babel Loaded!}%
100   \RequirePackage{iflang}%
101 }{%
102   \message{Babel not detected!}%
103 }%

104 % |hyperref| must always be the last
105 \ifednotebookmarks\RequirePackage{hyperref}\fi

```

³To do: I must complete this explanation list

To do:3

6.5 Color related variables

```
106 \newcommand{\cor@prof}{red}%
107 \newcommand{\cor@cand}{blue}%
108 \newcommand{\cor@subject}{green}%
109 \newcommand{\cor@citar}{purple}%
110 \newcommand{\cor@hldraft}{yellow}%
```

6.6 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 `\hxdrafttitle`. 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{\hxdrafttitle}{some text}`.

```
111 \def\hxdrafttitle{Standard Draft}%
112 \def\hxcommentstitle{Standard List of Comments}%
113 \def\hxsubjtitle{Standard List of Subjects}%
114 \def\hxcitationstitle{Standard List of Citation Needs}%
115 \def\hxpleasecitetext{Plese cite}
116 \def\hxpleasecitemessage{something to support this information}
117 \def\hxpleasecitemarginnote{Cite}%
118 %
119 \@ifpackageloaded{babel}%
120 {%
121   \IfLanguageName{brazilian}%
122   {%
123     \def\hxdrafttitle{draft}%
124     \def\hxcommentstitle{Lista de Comentários}%
125     \def\hxsubjtitle{Lista de Assuntos}%
126     \def\hxcitationstitle{Necessidades de Citação}%
127     \def\hxpleasecitetext{Favor citar}%
128     \def\hxpleasecitemessage{alguma coisa que suporte este texto}%
129     \def\hxpleasecitemarginnote{Citar}%
130   }{}%
131 %
132   \IfLanguageName{portuguese}%
133   {%
134     \def\hxdrafttitle{draft}%
135     \def\hxcommentstitle{Lista de Comentários}%
136     \def\hxsubjtitle{Lista de Assuntos}%
137     \def\hxcitationstitle{Necessidades de Citação}%
138     \def\hxpleasecitetext{Favor citar}%
139     \def\hxpleasecitemessage{alguma coisa que suporte este texto}%
140     \def\hxpleasecitemarginnote{Citar}%
141   }{}%
142 %
143   \IfLanguageName{english}%
```

```

144    {%
145        \def\hxdrafttitle{Draft}%
146        \def\hxcommentstitle{List of Comments}%
147        \def\hxsubjtitle{List of Subjects}%
148        \def\hxcitationtitle{List of Citation Needs}%
149        \def\hxpleasecitetext{Plese cite}
150        \def\hxpleasecitemessage{something to support this information}
151        \def\hxpleasecitemarginnote{Cite}%
152    }{}%
153 }%
154 {}%

```

6.7 ed inspired code

This code, inspired in the `ed` package, makes the basic mechanism for inserting comments as footnotes with an observation in the margin. As an addition to `ed`, it support colors.

Setting up the counter

```
155 \newcounter{hxnote}
```

Format for the text

```
156 \newcommand\hx@noteshape{\sffamily}
```

```
157 %
```

```
158 % Defining the variable that holds the color to be printed.
```

```
159 % |soul| made it quite complex, global variable is not the best programming technique, but it w
```

```
160 \def\hx@currentcolor{black}
```

footnote indicador e rótulo

`\ed@foot` This macro really creates a footnote. It uses counter `hxnote` in arabic. It prints the footnote using the currently defined color (That is a global variable, setted up elsewhere. This is not good programming practice, but it turned out to be the easiest way of doing it in L^AT_EX without more and more arguments.)

```
161 \newcommand\ed@foot[3]% text, type, label
```

```
162 {\def\@test{#3}\footnotetext[\arabic{hxnote}]}%
```

```
163 {\scshape\textcolor{\hx@currentcolor}{#2}}\if\@test\empty\else\label{ed:#3}\textcolor{\hx@cu
```

6.8 More for the footnote

```
164 \def\ed@mark@style#1{#1}%
```

```
165 \newcommand\ed@mark[1]{\ed@mark@style{\footnotemark[#1]}}%
```

```
166 %
```

```
167 \newcommand\ed@footnote[3]{\ed@mark{\arabic{hxnote}}\ed@foot{#1}{#2}{#3}}%
```

6.9 The margin note

```
168 \newcommand\ed@margin[1]{\ifmargins\ifmarginnote\marginnote{\textcolor{\hx@currentcolor}{#1}}\e
```

`\Hx@note` Basic function to hold build the note

```
169 \newcommand\Hx@note[3]% text, type, label
```

```
170 {\addtocounter{hxnote}{1}\message{#2!}}%
```

```

171 \ifshowednotes\ed@footnote{#1}{#2}{#3}\ifednotebookmarks\belowpdfbookmark{#2: #1}{#2.\thehy
More functions for doing the editorial note
172 \newcommand\hx@note[4]{% text, type, label, margin
173 {\Hx@note{#1}{#2}{#3}\ifshowednotes\ed@margin{#4:\arabic{hxnote}}\fi}%
174 \newcommand\hxnote@label{Editor}%
175 \newcommand\hxnote@margin{Ed}%
176 \newcommand\hxnotelabel[1]{\def\hxnote@label{#1}}%
177 \newcommand\hxnotemargin[1]{\def\hxnote@margin{#1}}%
178 \newcommand{\Hxnote}[2][{}]{\Hx@note{#2}\hxnote@label{#1}}%
179 \newcommand{\hxnote}[3][{}]{\def\hx@currentcolor{#3}%
180 \Hx@note{#2}\hxnote@label{#1}\hxnote@margin}%
181 %%%https://tex.stackexchange.com/questions/30483/how-can-i-check-in-latex-or-plain-tex-whether-
182 %% as opções comentario, assuntos e anonimizar
183 %% CORES

```

```

\corleve Make a color lighter for later use in highlightings This code is more complex than it
shuould be because o soulutf8's package \hl behavior. Solution found in: https:
//tex.stackexchange.com/questions/410295/soul-color-transparency
184 \newcommand{\cor@suavizacao}{40}%
185 \newcommand{\corleve}[1]{#1!\cor@suavizacao!white}

```

```

\hx@hl1 Light highlight makes a \hl that is lighter
186 \newcommand{\hx@hl1}[2]{% Depedendo do soulutf8
187 {\colorlet{x@coraqui}{\corleve{#1}}%
188 \sethlcolor{x@coraqui}%
189 \hl{#2}
190 }%

```

Isolating hxnote

```

191 %% rótulo texto cor indicador
192 \newcommand{\hx@hxnote}[4][{}]{%
193 \hxnotelabel{#4}%
194 \hxnotemargin{#4}%
195 \hxnote{#1}{#2}{#3}%
196 % isso não tem - \hx@hxnotepre{#1}{\textcolor{#3}{#2}}{#4}{#4}{#3}
197 }%

```

6.10 Anonimization

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

```

\hx@anoncitetext Default values for anonymous citation.
\hx@anonciteptext 198 \newcommand{\hx@anoncitetext}{(Anonymous, Year)}%
\hx@anoncitetttext 199 \newcommand{\hx@anonciteptext}{(Anonymous, Year)}%
200 \newcommand{\hx@anoncitetttext}{Anonymous (Year)}%

```



```

\hxdefanoncitetext These macros allow to define how anonymous citations will appear is anonymous
\hxdefanonciteptext mode is activated. For exemplo, one can change all the citation formats to [0].
\hxdefanoncitetttext 201 \newcommand{\hxdefanoncitetext}[1]{\renewcommand{\hx@anoncitetext}{#1}}%
202 \newcommand{\hxdefanonciteptext}[1]{\renewcommand{\hx@anonciteptext}{#1}}
203 \newcommand{\hxdefanoncitetttext}[1]{\renewcommand{\hx@anoncitetttext}{#1}}%

204 \if@beanonymous
205 \newcommand{\hxanon}[1]{Anonymous}%
206 \newcommand{\hxanoncite}[2][\]{\hx@anoncitetext}%
207 \newcommand{\hxanoncitep}[2][\]{\hx@anonciteptext}%
208 \newcommand{\hxanoncitet}[2][\]{\hx@anoncitetttext}%
209 \else
210 \newcommand{\hxanon}[1]{#1}%
211 \newcommand{\hxanoncite}[2][\]{\cite[#1]{#2}}%
212 \ifdef{\citep}{\newcommand{\hxanoncitep}[2][\]{\citep[#1]{#2}}}{\newcommand{\hxanoncitep}[2][\]{\
213 \ifdef{\citet}{\newcommand{\hxanoncitet}[2][\]{\citet[#1]{#2}}}{\newcommand{\hxanoncitet}[2][\]{\
214 \fi|
215 %% retrocompatibilidade
216 \newcommand{\xanon}[2][\]{\hxanon[#1]{#2}}%
217 \newcommand{\xanoncitep}[2][\]{\hxanoncitep[#1]{#2}}%
218 \newcommand{\xanoncitet}[2][\]{\hxanoncitet[#1]{#2}}%

```

6.11 Subjects

The idea of subjects is to have one subject for each paragraph. Currently is just a list of subjects and a highlight

```

219 \if@showsubjects
220 \newcommand{\listsubject}{\hxsubjtitle}%
221 %% cria a lista, depende do pacote tcloft
222 \@ifundefined{chapter}
223 {\newlistof[section]{subject}{aaa}{\listsubject}}
224 {\newlistof[chapter]{subject}{aaa}{\listsubject}}%
225 %%
226 \newcommand{\hxsubject}[2][\cor@subject]{%
227   \refstepcounter{subject}%
228   \sethlcolor{#1}%
229   \hl{#2}%
230   \par%
231   \addcontentsline{aaa}{subject}{\protect\numberline{\thesubject}{#2}}%
232 }%
233 \setlength{\cftsubjectnumwidth}{2.5em}%
234 \else%
235 \newcommand{\listofsubject}{}%
236 \newcommand{\hxsubject}[2][\]{}%
237 \fi%

```

6.12 Editorial Comments

The main subject of this package

```

238 \if@showcomentario
239 %% Resolve a lista de comentários
240 \newcommand{\listcomentario}{\hxcommentstitle}%
241 %% cria a lista
242 \@ifundefined{chapter}
243 {\newlistof[section]{comentario}{ccc}{\listcomentario}}
244 {\newlistof[chapter]{comentario}{ccc}{\listcomentario}}%%
245 %%
246 %% Comentador genérico - parte I
247 %% faz o hxnote e soma na lista
248 %% [rótulo], texto , cor, indicador
249 \newcommand{\hx@comentar}[4][{}]{%
250     \ifstrempy{#4}{%
251         % rótulo texto cor indicador
252         \hx@hxnote[#1]{#2}{#3}{Comentário}% faz a nota de rodapé do ed
253         \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#2}}%
254     }%
255     {%
256         \hx@hxnote[#1]{#2}{#3}{#4}%
257         \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#4: #2}}%
258     }%
259 }%
260 %% comentador genérico, parte II
261 %% faz o highlight , soma o step e comenta
262 %% [texto hl] footnote cor indicator
263 \newcommand{\hx@comment}[4][{}]{%
264     \refstepcounter{comentario}% soma um ao contador
265     \hx@hll{#3}{#1}% ver subfunção de impressão com hl
266     \hx@comentar{#2}{#3}{#4}%
267 }%
268 %%
269 %%
270 \newcommand{\hx@xcomment}[4][{}]{%
271     \refstepcounter{comentario}% soma um ao contador
272     \hx@hll{#3}{#1}% ver subfunção de impressão com hl
273     \hx@comentar{\sout{#2}}{#3}{#4}%
274 }%
275 %%
276 %%
277 %% comentador genérico com rótulo
278 %% [texto hl] footnote cor indicator rótulo
279 \newcommand{\hx@commentLabeled}[5][{}]{%
280     \refstepcounter{comentario}%
281     \hx@hll{#3}{#1}%
282     \hx@comentar[#5]{#2}{#3}{#4}%
283 }%
284 %%
285 %% [texto hl] footnote cor indicator rótulo
286 \newcommand{\hx@xcommentLabeled}[5][{}]{%
287     \refstepcounter{comentario}%

```

```

288 \hx@hll{#3}{#1}%
289 \hx@comentar[#5]{\sout{#2}}{#3}{#4}%
290 }%
291 %%
292 \setlength{\cftcomentarionumwidth}{2.5em}
293 \else
294 \newcommand{\hx@comentar}[4][{}]{%
295 \newcommand{\listofcomentario}{}%
296 %% não pode perder o texto comentado
297 \newcommand{\hx@comment}[4][{}]{#1}%
298 \newcommand{\hx@commentLabeled}[5][{}]{#1}%
299 \fi%

```

6.13 Suggestions, Removes and Changes

```

300 %% comentário, cor, indicador, textovelho, cor velho, textonovo, cor novo
301 %% Em modo publicar coloca o textovelho
302 \if@showsgestao
303 \newcommand{\hx@gensug}[7][Uma proposta]{%
304 \textcolor{#5}{\sout{#4}}% CORRIGINDO AQUI
305 \textcolor{#7}{#6}%
306 \if@showcomentario%
307 \ifstrepty{#1}{}%
308 {\refstepcounter{comentario}%
309 \hx@comentar{#1}{#2}{#3}%% [rótulo], cor , footnote , indicador
310 }%
311 \fi%
312 }%% [rótulo], cor , footnote , indicador
313 \else%
314 \if@modopublicaraceitando
315 \newcommand{\hx@gensug}[7][{}]{#6}%
316 \else%
317 \newcommand{\hx@gensug}[7][{}]{#4}%
318 \fi%
319 \fi%

```

6.14 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.

```

320 \if@showcomentario%
321 \newcommand{\listcomentarioref}{\hxcitationstitle}%
322 \@ifundefined{chapter}{\newlistof[section]{comentarioref}{ccr}{\listcomentarioref}}{\newlistof
323 \else%
324 \newcommand{\listofcomentarioref}{}%
325 \fi%
326 \if@showcomentario%
327 \newcommand{\hx@commentref}[3][{}]{%
328 \refstepcounter{comentarioref}%

```

```

329 \hx@hll{#3}{#1}%
330 \hx@hxnote{#2}{#3}{\hxpleasecitmarginnote}%
331 \addcontentsline{ccr}{comentarioref}{\protect\numberline{\thecomentarioref}{#2}}%
332 }%
333 \setlength{\cftcomentariorefnwidth}{2.5em}%
334 \else%
335 \newcommand{\hx@commentref}[3]{}%
336 \fi%
337 \if@showcomentario
338 \newcommand{\favorcitar}[1][\hxpleasecitmessage]{%
339 \hx@commentref{\hxpleasecitetext \ #1}{\cor@citar}}%
340 \else%
341 \newcommand{\favorcitar}[1][{}]{}%
342 \fi%
343 %%
344 %%
345 %%
346 %% Marcando ou esquendo dos drafts
347 %% Changebar foi removido porque é ruim
348 %%

```

draft This macro 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 `\hxdrafttitle` we use `\colorbox` to support multiple languages if default title is used

```

349 \if@showdraft%
350 \NewEnviron{draft}[1][{}]{%
351 \ifstrempy{#1}
352 {\colorbox{\corleve{\cor@hldraft}}{\textbf{\hxdrafttitle}}}
353 {\hx@hll{\cor@hldraft}{\textbf{#1}}}%
354 \newline%
355 \BODY%
356 }%
357 {}%
358 \surroundwithmdframed{draft}%
359 \else%
360 \NewEnviron{draft}[1][{}]{}%
361 \fi%

```

6.15 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 \LaTeX programming addiction. nome do autor, cor, identificador

`\hxautor`

```

362 \newcommand{\hxautor}[3]{%
363 %% hxcomment - texto a hl, cor, comentário, indicador de pessoa
364 \expandafter\newcommand\csname#1\endcsname[2][]{%
365 {%
366 \hx@comment{##1}{##2}{#2}{#3}}%
367 % [texto a marcar], cor , comentário, palavra, rótulo
368 \expandafter\newcommand\csname#1r\endcsname[3][]{%
369 {\hx@commentLabeled{##1}{##2}{#2}{#3}{##3}}%
370 %% cortados
371 \expandafter\newcommand\csname#1x\endcsname[2][]{%
372 {%
373 %% Comentários
374 \hx@xcomment{##1}{##2}{#2}{#3}}%
375 %% [texto a marcar], cor , comentário, palavra, rótulo
376 \expandafter\newcommand\csname#1rx\endcsname[3][]{%
377 {\hx@xcommentLabeled{##1}{##2}{#2}{#3}{##3}}%
378 %% sugestões
379 \expandafter\newcommand\csname#1sug\endcsname[2][]{%
380 {\hx@gensug{##1}{#2}{#3}{#2}{##2}{#2}}%
381 \expandafter\newcommand\csname#1rem\endcsname[2][]{%
382 {\hx@gensug{##1}{#2}{#3}{##2}{#2}{#2}}%
383 \expandafter\newcommand\csname#1troca\endcsname[3][]{%
384 {\hx@gensug{##1}{#2}{#3}{##2}{#2}{##3}{#2}}%
385 }%
386 \hxautor{prof}{red}{Prof}
387 \hxautor{cand}{blue}{Cand}

```

6.16 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` Fazendo um todo do `todonotes` simples.

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.

```

388 \hxautor{hx@todoauthor}{orange}{To do}%
389 \newcommand{\hx@todobackgroundcolor}{orange}%
390 \newcommand{\todo}[2][comentar]{%
391 \IfEq{inline}{#1}%
392 {%
393 \begin{mdframed}[backgroundcolor=\hx@todobackgroundcolor]
394 #2%
395 \end{mdframed}%

```

```

396 }%
397 {%
398 \hx@todoauthor{#2}%
399 }%
400 }%

```

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

```

401 \newcommand{\hxdefinetodocolor}[1]{\renewcommand{\hx@todobackgroundcolor}{#1}}%

```

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

```

402 \let\rascunho=\draft%
403 \let\pleasecite=\favorcitar%
404 \let\hxauthor=\hxautor%

```

End of Code

Change History

v4.0	dar problemas com o	
General: Primeira versão com dtx	enumerate e itemize	1
v4.0.3	v4.3.0	
General: Consertando o strike	General: Comandos que riscam os	
through	comentários, como profx	1
v4.1.0	v4.3.1	
General: Publicar aceitando as	General: Tem espaço demais entre	
mudanças introduzidos	marginnotes... tentando	
v4.2.0	resolver	1
General: Comando todo	v4.3.2	
v4.2.1	General: Fixing behavior of draft,	
General: Pacote paralist, herdado	going for internationalization . . .	1
de código do ed, parece inútil e		

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