Código do Estilo hacksxexeo v4.3.1

Geraldo Xexéo

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1 Introduction

This package support different forms of comments in documents that support their writing and editing. It picks ideas from different packages, such as `ed`, `color-edits`, `todonotes`, and others. It was written to support my way of working, and them included 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, TeXand LaTeXprogramming 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`, as listas podem ser clicadas para atingir o local do comentário.

2.1 Informing user about versions

`\hacksxexeoversion` Provides the current version
`\printhacksxexeoversion` Provides name and version

2.2 Draft environment

`Rascunho` The draft environment ainda to allow writers to include text that is marked somehow as a draft. This environment is evolving 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 "Rascunho"

3 Warnings

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

4 Commented Code

4.1 Access to the current version

\hacksxexeoversion — Provides current version of hacksxexeo

```
1 \newcommand{\hacksxexeoversion}{\hx@version}%
```

\printhacksxexeoversion — Provides package name and version

```
2 \newcommand{\printhacksxexeoversion}{hacksxexeo v. \hacksxexeoversion}%
```

4.2 Option Processing

```
3 \newif\ifshowednotes\showednotestrue
4 \newif\ifmargins\marginstrue
5 \newif\ifmarginnote\marginnotefalse
6 \newif\ifednotebookmarks\ednotebookmarksfalse
7 \DeclareOption{show}{\showednotestrue\message{ed.sty: showing ednotes}}
8 \DeclareOption{hide}{\showednotesfalse\message{ed.sty: hiding ednotes}}
9 \DeclareOption{draft}{\showednotestrue\message{ed.sty: showing ednotes}}
10 \DeclareOption{final}{\showednotesfalse\message{ed.sty: hiding ednotes}}
11 \DeclareOption{nomargins}{\marginsfalse}
12 \DeclareOption{marginnote}{\marginnotetrue}
13 \DeclareOption{pdfbookmarks}{\ednotebookmarkstrue}
14 %%%
15 \newif\if@showcomentario\@showcomentariofalse
16 \DeclareOption{comentarios}{\@showcomentariotrue}
17 \newif\if@beanonymous\@beanonymousfalse
18 \DeclareOption{anonimizar}{\@beanonymoustrue}
19 \newif\if@naoanonimizar\@naoanonimizarfalse
20 \DeclareOption{naoanonimizar}{\@naoanonimizartrue}
21 %% As 3 opções a seguir tem comportamento
22 %% dependente de comentarios (colocam ou não)
23 \newif\if@showsugestao\@showsugestaofalse
24 \DeclareOption{sugestoes}{
25    \@showsugestaotrue}
26 \newif\if@showassuntos\@showassuntosfalse
27 \DeclareOption{assuntos}{\@showassuntostrue}
28 \newif\if@showrascunho\@showrascunhofalse
29 \DeclareOption{rascunhos}{\@showrascunhotrue}
30 \newif\if@showtodo\@showtodofalse
31 \DeclareOption{todos}{\@showtodotrue}
32 \newif\if@modoedicao\@modoedicaofalse
```

```
33 \newif\if@modosubmeter\@modosubmeterfalse
34 \newif\if@modopublicar\@modopublicarfalse
35 \newif\if@modopublicaraceitando\@modopublicaraceitandofalse
36 \DeclareOption{edicao}{\@modoedicaotrue}
37 \DeclareOption{submeter}{\@modosubmetertrue}
38 \DeclareOption{publicar}{\@modopublicartrue}
39 \DeclareOption{publicaraceitando}{\@modopublicartrue \@modopublicaraceitandotrue }
40 \ProcessOptions\relax
41 \if@modoedicao
42 \@showassuntostrue
43 \@showrascunhotrue
44 \@showcomentariotrue
45 \@showsugestaotrue
46 \@beanonymoustrue
47 \@showtodotrue
48 \fi
49 \if@modosubmeter
50 \@showassuntosfalse
51 \@showrascunhofalse
52 \@showcomentariofalse
53 \@showsugestaofalse
54 \@beanonymoustrue
55 \@showtodofalse
56 \fi
57 \if@naoanonimizar
58 \@beanonymousfalse
59 \fi
60 \if@modopublicar
61 \@showassuntosfalse
62 \@showsugestaofalse
63 \@showrascunhofalse
64 \@showcomentariofalse
65 \@beanonymousfalse
66 \@showtodofalse
67 \fi%
68 \if@showtodo
69 \@showcomentariotrue
70 \fi
```

4.3   Required Packages

```
71 %% Genérico
72 \RequirePackage{xcolor}
73 \RequirePackage{soulutf8}
74 \RequirePackage[normalem]{ulem}
75 %para os comentários e a lista
76 \RequirePackage{tocloft}
77 \RequirePackage{etoolbox}
78 \RequirePackage{environ}
79 \RequirePackage{xstring}
```

```
80 \RequirePackage{csquotes}
81 \RequirePackage{mdframed}
82 %%%%%%%%%%%%%%%%%%%%%%%%
83 %%%%%%%%%%%%%%%%%%%%%%%%
84 \ifshowednotes
85 %%\RequirePackage{paralist}
86 \ifmarginnote\RequirePackage{marginnote}\fi
87 \else
88 \RequirePackage{verbatim}
89 \fi%
90 \ifednotebookmarks\RequirePackage{hyperref}\fi
91 %
```

4.4   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 adition to `ed`, it support colors.

```
92 \newcommand\ednoteshape{\sffamily}
93 \newcounter{ednote}
94 \def\hx@currentcolor{black}
```

a mágica é aqui footnote indicador e rótulo

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

```
95 \newcommand\ed@foot[3]% text, type, label
96 {\def\@test{#3}\footnotetext[\arabic{ednote}]%
97 {{\scshape{\textcolor{\hx@currentcolor}{#2}}\if\@test\@empty\else\label{ed:#3}\textcolor{\hx@cu

98 \def\ed@mark@style#1{#1}%
99 \newcommand\ed@mark[1]{\ed@mark@style{\footnotemark[#1]}}%
100 \newcommand\ed@footnote[3]{\ed@mark{\arabic{ednote}}\ed@foot{#1}{#2}{#3}}%
101 %% a outra mágica é aqui
102 \newcommand\ed@margin[1]{\ifmargins\ifmarginnote\marginnote{\textcolor{\hx@currentcolor}{#1}}\e
103 %%
104 \newcommand\Ed@note[3]% text, type, label
105 {\addtocounter{ednote}{1}\message{#2!}%
106     \ifshowednotes\ed@footnote{#1}{#2}{#3}\ifednotebookmarks\belowpdfbookmark{#2: #1}{#2.\theed
107 \newcommand\ed@note[4]% text, type, label, margin
108 {\Ed@note{#1}{#2}{#3}\ifshowednotes\ed@margin{#4:\arabic{ednote}}\fi}%
109 \newcommand\ednote@label{EdNote}%
110 \newcommand\ednote@margin{EdN}%
111 \newcommand\ednotelabel[1]{\def\ednote@label{#1}}%
112 \newcommand\ednotemargin[1]{\def\ednote@margin{#1}}%
113 \newcommand{\Ednote}[2][]{\Ed@note{#2}\ednote@label{#1}}%
114 \newcommand{\ednote}[3][]{\def\hx@currentcolor{#3}%
115 \ed@note{#2}\ednote@label{#1}\ednote@margin}%
116 %%%%%%%%%%%%%%%%%%%%%%%%
```

```latex
117 %%%https://tex.stackexchange.com/questions/30483/how-can-i-check-in-latex-or-plain-tex-whether-
118 %%%%%%%
119 %% as opções comentario, assuntos e anonimizar
120 %% CORES
121 \newcommand{\cor@prof}{red}%
122 \newcommand{\cor@cand}{blue}%
123 \newcommand{\cor@assunto}{green}%
124 \newcommand{\cor@citar}{purple}%
125 \newcommand{\cor@hlrascunho}{yellow}%
126 %% Suaviação nas cores para o hilight%
127 \newcommand{\cor@suavizacao}{40}%
128 %%Isso é um truque para o \hl do soulutf8 funcionar
129 %%https://tex.stackexchange.com/questions/410295/soul-color-transparency
130 %% comando para suavizar uma cor
131 \newcommand{\corleve}[1]{#1!\cor@suavizacao!white}
132 \newcommand{\hx@hll}[2]% % Depedendo do soulutf8
133 {\colorlet{x@coraqui}{\corleve{#1}}%
134 \sethlcolor{x@coraqui}%
135 \hl{#2}}%
136 %% isolando o ednote
137 %% rótulo texto cor indicador
138 \newcommand{\hx@ednote}[4][]{%
139 \ednotelabel{#4}%
140 \ednotemargin{#4}%
141 \ednote[#1]{#2}{#3}%
142 % isso não tem - \hx@ednotepre{#1}{\textcolor{#3}{#2}}{#4}{#4}{#3}
143 }%
144 %%
145 %%
146 %%
147 %% Anonimização
148 %% Se anonimiza, escreve anonymous
149 %% se não escreve o texto
150 \newcommand{\hx@anoncitetext}{(Anonymous, Year)}%
151 \newcommand{\hx@anonciteptext}{(Anonymous, Year)}%
152 \newcommand{\hx@anoncitettext}{Anonymous (Year)}%
153 \newcommand{\hxdefanoncitetext}[1]{\renewcommand{\hx@anoncitetext}{#1}}%
154 \newcommand{\hxdefanonciteptext}[1]{\renewcommand{\hx@anonciteptext}{#1}}%
155 \newcommand{\hxdefanoncitettext}[1]{\renewcommand{\hx@anoncitettext}{#1}}%
156
157 \if@beanonymous
158 \newcommand{\hxanon}[1]{Anonymous}%
159 \newcommand{\hxanoncite}[2][]{\hx@anoncitetext}%
160 \newcommand{\hxanoncitep}[2][]{\hx@anonciteptext}%
161 \newcommand{\hxanoncitet}[2][]{\hx@anoncitettext}%
162 \else
163 \newcommand{\hxanon}[1]{#1}%
164 \newcommand{\hxanoncite}[2][]{\cite[#1]{#2}}%
165 \ifdef{\citep}{\newcommand{\hxanoncitep}[2][]{\citep[#1]{#2}}}{\newcommand{\hxanoncitep}[2][]{\
166 \ifdef{\citet}{\newcommand{\hxanoncitet}[2][]{\citet[#1]{#2}}}{\newcommand{\hxanoncitet}[2][]{\
```

```
167 \fi%|
168 %% retrocompatibilidade
169 \newcommand{\xanon}[2][]{\hxanon[#1]{#2}}%
170 \newcommand{\xanoncitep}[2][]{\hxanoncitep[#1]{#2}}%
171 \newcommand{\xanoncitet}[2][]{\hxanoncitet[#1]{#2}}%
172 %%
173 %% Assuntos colore o texto apenas, pode melhorar
174 %%
175 \if@showassuntos
176 %% Cria a lista
177 %% cria o título
178 \newcommand{\listassunto}{Lista de Assuntos}%
179 %% cria a lista, depende do pacoto tcloft
180  \@ifundefined{chapter}{\newlistof[section]{assunto}{aaa}{\listassunto}}{\newlistof[chapter]{as
181 %%
182 \newcommand{\hxassunto}[2][\cor@assunto]{%
183      \refstepcounter{assunto}%
184      \sethlcolor{#1}%
185      \hl{#2}%
186      \par%
187      \addcontentsline{aaa}{assunto}{\protect\numberline{\theassunto}{#2}}%
188 }%
189 \setlength{\cftassuntonumwidth}{2.5em}%
190 \else%
191 %% se não é para mostrar, não faz nada
192 \newcommand{\listofassunto}{}%
193 \newcommand{\hxassunto}[2][]{}%
194 \fi%| % @showassuntos
195 \newcommand{\xassunto}[2][\cor@assunto]{\hxassunto[#1]{#2}}
196 %%
197 %%
198 %%
199 \if@showcomentario
200 %% Resolve a lista de comentários
201 \newcommand{\listcomentario}{Lista de Comentários}%
202 %% cria a lista
203 \@ifundefined{chapter}{\newlistof[section]{comentario}{ccc}{\listcomentario}}{\newlistof[chapte
204 %%
205 %% Comentador genérico - parte I
206 %% faz o ednote e soma na lista
207 %% []rótulo], texto , cor, indicador
208 \newcommand{\hx@comentar}[4][]{%
209      \ifstrempty{#4}{%
210          % rótulo texto cor indicador
211          \hx@ednote[#1]{#2}{#3}{Comentário}% faz a nota de rodapé do ed
212          \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#2}}%
213      }%
214      {%
215          \hx@ednote[#1]{#2}{#3}{#4}%
216          \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#4: #2}}%
```

```
217        }%
218 }%
219 %% comentador genérico, parte II
220 %% faz o highlight , soma o step e comenta
221 %% [texto hl] footnote cor indicator
222 \newcommand{\hx@comment}[4][]{%
223     \refstepcounter{comentario}% soma um ao contador
224     \hx@hll{#3}{#1}% ver subfunção de impressão com hl
225     \hx@comentar{#2}{#3}{#4}%
226 }%
227 %%
228 %%
229 \newcommand{\hx@xcomment}[4][]{%
230     \refstepcounter{comentario}% soma um ao contador
231     \hx@hll{#3}{#1}% ver subfunção de impressão com hl
232     \hx@comentar{\sout{#2}}{#3}{#4}%
233 }%
234 %%
235 %%
236 %% comentador genérico com rótulo
237 %% [texto hl] footnote cor  indicator rótulo
238 \newcommand{\hx@commentLabeled}[5][]{%
239     \refstepcounter{comentario}%
240     \hx@hll{#3}{#1}%
241     \hx@comentar[#5]{#2}{#3}{#4}%
242 }%
243 %%
244 %% [texto hl] footnote cor  indicator rótulo
245 \newcommand{\hx@xcommentLabeled}[5][]{%
246     \refstepcounter{comentario}%
247     \hx@hll{#3}{#1}%
248     \hx@comentar[#5]{\sout{#2}}{#3}{#4}%
249 }%
250 %%
251 \setlength{\cftcomentarionumwidth}{2.5em}
252 \else
253 \newcommand{\hx@comentar}[4][]{}%
254 \newcommand{\listofcomentario}{}%
255 %% não pode perder o texto comentado
256 \newcommand{\hx@comment}[4][]{#1}%
257 \newcommand{\hx@commentLabeled}[5][]{#1}%
258 \fi%|
259 %%%
260 %%
261 %% Sugestões e trocas
262 %%
263 %%%
264 %% comentário, cor, indicador, textovelho, cor velho, textonovo, cor novo
265 %% Em modo publicar coloca o textovelho
266 \if@showsugestao
```

```latex
267 \newcommand{\hx@gensug}[7][Uma proposta]{%
268     \textcolor{#5}{\sout{#4}}% CORRIGINDO AQUI
269     \textcolor{#7}{#6}%
270     \if@showcomentario%
271     \ifstrempty{#1}{}%
272     {\refstepcounter{comentario}%
273         \hx@comentar{#1}{#2}{#3}%% [rótulo], cor , footnote , indicador
274     }%
275     \fi%
276 }%% [rótulo], cor , footnote , indicador
277 \else%
278 \if@modopublicaraceitando
279 \newcommand{\hx@gensug}[7][]{#6}%
280 \else%
281 \newcommand{\hx@gensug}[7][]{#4}%
282 \fi%
283 \fi%
284
285 %% Agora o criador
286 %% criando novos autores
287 %% nome do autor, cor, identificador
288 \newcommand{\hxautor}[3]{%
289     % hxcomment - texto a hl, cor, comentário, indicador de pessoa
290     \expandafter\newcommand\csname#1\endcsname[2][]%
291     {%
292         %Comentários
293         \hx@comment[##1]{##2}{#2}{#3}}%
294     % [texto a marcar], cor , comentário, palavra, rótulo
295     \expandafter\newcommand\csname#1r\endcsname[3][]%
296     {\hx@commentLabeled[##1]{##2}{#2}{#3}{##3}}%
297     % cortados
298     \expandafter\newcommand\csname#1x\endcsname[2][]%
299 {%
300     %Comentários
301     \hx@xcomment[##1]{##2}{#2}{#3}}%
302 % [texto a marcar], cor , comentário, palavra, rótulo
303 \expandafter\newcommand\csname#1rx\endcsname[3][]%
304 {\hx@xcommentLabeled[##1]{##2}{#2}{#3}{##3}}%
305
306     %sugestões
307     \expandafter\newcommand\csname#1sug\endcsname[2][]%
308     {\hx@gensug[##1]{#2}{#3}{}{#2}{##2}{#2}}%
309     %
310     \expandafter\newcommand\csname#1rem\endcsname[2][]%
311     {\hx@gensug[##1]{#2}{#3}{##2}{#2}{}{#2}}
312     \expandafter\newcommand\csname#1troca\endcsname[3][]%
313     {\hx@gensug[##1]{#2}{#3}{##2}{#2}{##3}{#2}}%
314 }%
315 \hxautor{prof}{red}{Prof}
316 \hxautor{cand}{blue}{Cand}
```

```
317 %%
318 %%
319 %%
320 %% reclamações sobre citações
321 %%
322 %%
323 \if@showcomentario%
324 %% cria o título
325 \newcommand{\listcomentarioref}{Necessidades de Citação}%
326 %% cria a lista
327 \@ifundefined{chapter}{ \newlistof[section]{comentarioref}{ccr}{\listcomentarioref}}{\newlistof
328 \else%
329 %% se não é para mostrar, não faz nada
330 \newcommand{\listofcomentarioref}{}%
331 \fi%
332 \if@showcomentario%
333 \newcommand{\hx@commentref}[3][]{%
334     \refstepcounter{comentarioref}%
335     \hx@hll{#3}{#1}%
336     \hx@ednote{#2}{#3}{Citar}%
337     \addcontentsline{ccr}{comentarioref}{\protect\numberline{\thecomentarioref}{#2}}%
338 }%
339 \setlength{\cftcomentariorefnumwidth}{2.5em}%
340 \else%
341 \newcommand{\hx@commentref}[3]{}%
342 \fi%
343 \if@showcomentario
344 \newcommand{\favorcitar}[1][algo que suporte essa afirmação]{%
345     \hx@commentref{Por favor citar #1}{\cor@citar}}%
346 \else%
347 \newcommand{\favorcitar}[1][]{}%
348 \fi%
349 %%
350 %%
351 %%
352 %% Marcando ou esquendo dos rascunhos
353 %% Changebar foi removido porque é ruim
354 %%
```

rascunho   This macro creates a boxed text, with title used as a first parameter It uses package `mdframed` to create the frame. If rascunho is turned off as an option, it supress everything inside the body.

```
355 \if@showrascunho%
356 \NewEnviron{rascunho}[1][Rascunho]{%
357     \hx@hll{\cor@hlrascunho}{\textbf{#1}}%
358     \newline%
359     \BODY%
360 }%
361 {}%
362 \surroundwithmdframed{rascunho}%
```

```
363 \else%
364 \NewEnviron{rascunho}[1][]{}{}%
365 \fi%

366 %% Futuro \\
367 %%
368 %% \newcommand{\namargem}{\ed@margin{Teste}}
369 %%
370 %%
371 %%
372 %% Fazendo um todo do todonotes simples
373 %
374 %%\if@showtodo%
375 \hxautor{hx@todoauthor}{orange}{TO DO}%
376 \newcommand{\hx@todobackgroundcolor}{orange}%
377 \newcommand{\hxdefinetodocolor}[1]{\renewcommand{\hx@todobackgroundcolor}{#1}}%
378 \newcommand{\todo}[2][comentar]{%
379 \IfEq{inline}{#1}%
380 {%
381 \begin{mdframed}[backgroundcolor=\hx@todobackgroundcolor]
382 #2%
383 \end{mdframed}%
384 }%
385 {%
386 \hx@todoauthor{#2}%
387 }%
388 }%
389 %%\else%
390 %%\newcommand{\todo}[2][]{}%
391 %%\fi%
392 %
```

End of Code

Change History

Index

Numbers written in italic refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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