Código do Estilo hacksxexeo v4.3.2

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 Implementation

4.1 Access to the current version

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

`\hacksxexeoversion` Provides current version of hacksxexeo

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

`\printhacksxexeoversion` Provides package name and version

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

4.2 Option Processing

```
\newif\ifshowednotes\showednotestrue
\newif\ifmargins\marginstrue
\newif\ifmarginnote\marginnotefalse
\newif\ifednotebookmarks\ednotebookmarksfalse
\DeclareOption{show}{\showednotestrue\message{ed.sty: showing ednotes}}
\DeclareOption{hide}{\showednotesfalse\message{ed.sty: hiding ednotes}}
\DeclareOption{draft}{\showednotestrue\message{ed.sty: showing ednotes}}
\DeclareOption{final}{\showednotesfalse\message{ed.sty: hiding ednotes}}
\DeclareOption{nomargins}{\marginsfalse}
\DeclareOption{marginnote}{\marginnotetrue}
\DeclareOption{pdfbookmarks}{\ednotebookmarkstrue}
%%%
\newif\if@showcomentario\@showcomentariofalse
\DeclareOption{comentarios}{\@showcomentariotrue}
\newif\if@beanonymous\@beanonymousfalse
\DeclareOption{anonimizar}{\@beanonymoustrue}
\newif\if@naoanonimizar\@naoanonimizarfalse
\DeclareOption{naoanonimizar}{\@naoanonimizartrue}
%% As 3 opções a seguir tem comportamento
%% dependente de comentarios (colocam ou não)
\newif\if@showsugestao\@showsugestaofalse
\DeclareOption{sugestoes}{
    \@showsugestaotrue}
\newif\if@showassuntos\@showassuntosfalse
\DeclareOption{assuntos}{\@showassuntostrue}
\newif\if@showrascunho\@showrascunhofalse
\DeclareOption{rascunhos}{\@showrascunhotrue}
\newif\if@showtodo\@showtodofalse
```

```
\DeclareOption{todos}{\@showtodotrue}
\newif\if@modoedicao\@modoedicaofalse
\newif\if@modosubmeter\@modosubmeterfalse
\newif\if@modopublicar\@modopublicarfalse
\newif\if@modopublicaraceitando\@modopublicaraceitandofalse
\DeclareOption{edicao}{\@modoedicaotrue}
\DeclareOption{submeter}{\@modosubmetertrue}
\DeclareOption{publicar}{\@modopublicartrue}
\DeclareOption{publicaraceitando}{\@modopublicartrue \@modopublicaraceitandotrue }
\ProcessOptions\relax
```

5 Super Options

Some options are more general and set other options

```
\if@modoedicao
\@showassuntostrue
\@showrascunhotrue
\@showcomentariotrue
\@showsugestaotrue
\@beanonymoustrue
\@showtodotrue
\fi
\if@modosubmeter
\@showassuntosfalse
\@showrascunhofalse
\@showcomentariofalse
\@showsugestaofalse
\@beanonymoustrue
\@showtodofalse
\fi
\if@naoanonimizar
\@beanonymousfalse
\fi
\if@modopublicar
\@showassuntosfalse
\@showsugestaofalse
\@showrascunhofalse
\@showcomentariofalse
\@beanonymousfalse
\@showtodofalse
\fi%
\if@showtodo
\@showcomentariotrue
\fi
```

5.1 Required Packages

Packages that are always required

```
\RequirePackage{xcolor}
```

```
\RequirePackage{soulutf8}
\RequirePackage[normalem]{ulem}
%para os comentários e a lista
\RequirePackage{tocloft}
\RequirePackage{etoolbox}
\RequirePackage{environ}
\RequirePackage{xstring}
\RequirePackage{csquotes}
\RequirePackage{mdframed}
%%%%%%%%%%%%%%%%%%%%%%%%
%%%%%%%%%%%%%%%%%%%%%%%%
```

6 Optional Packages

Package that are required only sometimes

```
\ifshowednotes
%%\RequirePackage{paralist}
\ifmarginnote\RequirePackage{marginnote}\fi
\else
\RequirePackage{verbatim}
\fi%
```

Checking if babel is loaded, use iflang

```
\@ifpackageloaded{babel}%
{%  \message{Babel Loaded!}%
    \RequirePackage{iflang}%
}{%
    \message{Babel not detected!}%
}%
```

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

6.1 I18N Using Babel

We can detect if babel is enable and allow for some languages. If you want to use another language, just use `\setlocalecaption` to set the correct value.

`\hxdrafttitle`

```
\@ifpackageloaded{babel}%
{%
    \IfLanguageName{brazilian}{\def\hxdrafttitle{Rascunho}}{}
    \IfLanguageName{portuguese}{\def\hxdrafttitle{Rascunho}}{}
    \IfLanguageName{english}{\def\hxdrafttitle{Draft}}{}
    \message{Babel detected!}
}{%
    \def\hxdrafttitle{This~is~a~Draft}%
    \message{No Babel!}
}%
```

6.2 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.

```
\newcommand\ednoteshape{\sffamily}
\newcounter{ednote}
\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 LaTeXwithout more and more arguments.)

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

\def\ed@mark@style#1{#1}%
\newcommand\ed@mark[1]{\ed@mark@style{\footnotemark[#1]}}%
\newcommand\ed@footnote[3]{\ed@mark{\arabic{ednote}}\ed@foot{#1}{#2}{#3}}%
%% a outra mágica é aqui
\newcommand\ed@margin[1]{\ifmargins\ifmarginnote\marginnote{\textcolor{\hx@currentcolor}{#1}}\e
%%
\newcommand\Ed@note[3]% text, type, label
{\addtocounter{ednote}{1}\message{#2!}%
    \ifshowednotes\ed@footnote{#1}{#2}{#3}\ifednotebookmarks\belowpdfbookmark{#2: #1}{#2.\theed
\newcommand\ed@note[4]% text, type, label, margin
{\Ed@note{#1}{#2}{#3}\ifshowednotes\ed@margin{#4:\arabic{ednote}}\fi}%
\newcommand\ednote@label{EdNote}%
\newcommand\ednote@margin{EdN}%
\newcommand\ednotelabel[1]{\def\ednote@label{#1}}%
\newcommand\ednotemargin[1]{\def\ednote@margin{#1}}%
\newcommand{\Ednote}[2][]{\Ed@note{#2}\ednote@label{#1}}%
\newcommand{\ednote}[3][]{\def\hx@currentcolor{#3}%
\ed@note{#2}\ednote@label{#1}\ednote@margin}%
%%%%%%%%%%%%%%%%%%%%%%%%%
%%%https://tex.stackexchange.com/questions/30483/how-can-i-check-in-latex-or-plain-tex-whether-
%%%%%%%%%
%% as opções comentario, assuntos e anonimizar
%% CORES
```

6.3 Variáveis relacionadas a cores

```
\newcommand{\cor@prof}{red}%
\newcommand{\cor@cand}{blue}%
\newcommand{\cor@assunto}{green}%
\newcommand{\cor@citar}{purple}%
\newcommand{\cor@hlrascunho}{yellow}%
```

```
%%Isso é um truque para o \hl do soulutf8 funcionar
%%https://tex.stackexchange.com/questions/410295/soul-color-transparency
%% comando para suavizar uma cor
```

\corleve Esse comando faz uma cor ficar mais clara para o hilight Isso é um truque para o o soulutf8 funcionar https://tex.stackexchange.com/questions/410295/soul-color-transparency

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

%% Problema de dar cor para o soul pode ser resolvido
%% Aqui mudando para o ulem
\newcommand{\hx@hll}[2]% % Depedendo do soulutf8
{\colorlet{x@coraqui}{\corleve{#1}}%
\sethlcolor{x@coraqui}%
\hl{#2}
%% \colorbox{\corleve{#1}}{#2}
}%
%% isolando o ednote
%% rótulo texto cor indicador
\newcommand{\hx@ednote}[4][]{%
\ednotelabel{#4}%
\ednotemargin{#4}%
\ednote[#1]{#2}{#3}%
% isso não tem - \hx@ednotepre{#1}{\textcolor{#3}{#2}}{#4}{#4}{#3}
}%
%%
%%
%%
%% Anonimização
%% Se anonimiza, escreve anonymous
%% se não escreve o texto
\newcommand{\hx@anoncitetext}{(Anonymous, Year)}%
\newcommand{\hx@anonciteptext}{(Anonymous, Year)}%
\newcommand{\hx@anoncitettext}{Anonymous (Year)}%
\newcommand{\hxdefanoncitetext}[1]{\renewcommand{\hx@anoncitetext}{#1}}%
\newcommand{\hxdefanonciteptext}[1]{\renewcommand{\hx@anonciteptext}{#1}}%
\newcommand{\hxdefanoncitettext}[1]{\renewcommand{\hx@anoncitettext}{#1}}%

\if@beanonymous
\newcommand{\hxanon}[1]{Anonymous}%
\newcommand{\hxanoncite}[2][]{\hx@anoncitetext}%
\newcommand{\hxanoncitep}[2][]{\hx@anonciteptext}%
\newcommand{\hxanoncitet}[2][]{\hx@anoncitettext}%
\else
\newcommand{\hxanon}[1]{#1}%
\newcommand{\hxanoncite}[2][]{\cite[#1]{#2}}%
\ifdef{\citep}{\newcommand{\hxanoncitep}[2][]{\citep[#1]{#2}}}{\newcommand{\hxanoncitep}[2][]{\
\ifdef{\citet}{\newcommand{\hxanoncitet}[2][]{\citet[#1]{#2}}}{\newcommand{\hxanoncitet}[2][]{\
\fi%
```

```
%% retrocompatibilidade
\newcommand{\xanon}[2][]{\hxanon[#1]{#2}}%
\newcommand{\xanoncitep}[2][]{\hxanoncitep[#1]{#2}}%
\newcommand{\xanoncitet}[2][]{\hxanoncitet[#1]{#2}}%
%%
%% Assuntos colore o texto apenas, pode melhorar
%%
\if@showassuntos
%% Cria a lista
%% cria o título
\newcommand{\listassunto}{Lista de Assuntos}%
%% cria a lista, depende do pacoto tcloft
 \@ifundefined{chapter}{\newlistof[section]{assunto}{aaa}{\listassunto}}{\newlistof[chapter]{as
%%
\newcommand{\hxassunto}[2][\cor@assunto]{%
    \refstepcounter{assunto}%
    \sethlcolor{#1}%
    \hl{#2}%
    \par%
    \addcontentsline{aaa}{assunto}{\protect\numberline{\theassunto}{#2}}%
}%
\setlength{\cftassuntonumwidth}{2.5em}%
\else%
%% se não é para mostrar, não faz nada
\newcommand{\listofassunto}{}%
\newcommand{\hxassunto}[2][]{}%
\fi%| % @showassuntos
\newcommand{\xassunto}[2][\cor@assunto]{\hxassunto[#1]{#2}}
%%
%%
%%
\if@showcomentario
%% Resolve a lista de comentários
\newcommand{\listcomentario}{Lista de Comentários}%
%% cria a lista
\@ifundefined{chapter}{\newlistof[section]{comentario}{ccc}{\listcomentario}}{\newlistof[chapte
%%
%% Comentador genérico - parte I
%% faz o ednote e soma na lista
%% []rótulo], texto , cor, indicador
\newcommand{\hx@comentar}[4][]{%
    \ifstrempty{#4}{%
        % rótulo texto cor indicador
        \hx@ednote[#1]{#2}{#3}{Comentário}% faz a nota de rodapé do ed
        \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#2}}%
    }%
    {%
        \hx@ednote[#1]{#2}{#3}{#4}%
        \addcontentsline{ccc}{comentario}{\protect\numberline{\thecomentario}{#4: #2}}%
    }%
```

```
}%
%% comentador genérico, parte II
%% faz o highlight , soma o step e comenta
%% [texto hl] footnote cor indicator
\newcommand{\hx@comment}[4][]{%
    \refstepcounter{comentario}% soma um ao contador
    \hx@hll{#3}{#1}% ver subfunção de impressão com hl
    \hx@comentar{#2}{#3}{#4}%
}%
%%
%%
\newcommand{\hx@xcomment}[4][]{%
    \refstepcounter{comentario}% soma um ao contador
    \hx@hll{#3}{#1}% ver subfunção de impressão com hl
    \hx@comentar{\sout{#2}}{#3}{#4}%
}%
%%
%%
%% comentador genérico com rótulo
%% [texto hl] footnote cor  indicator rótulo
\newcommand{\hx@commentLabeled}[5][]{%
    \refstepcounter{comentario}%
    \hx@hll{#3}{#1}%
    \hx@comentar[#5]{#2}{#3}{#4}%
}%
%%
%% [texto hl] footnote cor  indicator rótulo
\newcommand{\hx@xcommentLabeled}[5][]{%
    \refstepcounter{comentario}%
    \hx@hll{#3}{#1}%
    \hx@comentar[#5]{\sout{#2}}{#3}{#4}%
}%
%%
\setlength{\cftcomentarionumwidth}{2.5em}
\else
\newcommand{\hx@comentar}[4][]{}%
\newcommand{\listofcomentario}{}%
%% não pode perder o texto comentado
\newcommand{\hx@comment}[4][]{#1}%
\newcommand{\hx@commentLabeled}[5][]{#1}%
\fi%|
%%%
%%
%% Sugestões e trocas
%%
%%%
%% comentário, cor, indicador, textovelho, cor velho, textonovo, cor novo
%% Em modo publicar coloca o textovelho
\if@showsugestao
\newcommand{\hx@gensug}[7][Uma proposta]{%
```

```
    \textcolor{#5}{\sout{#4}}% CORRIGINDO AQUI
    \textcolor{#7}{#6}%
    \if@showcomentario%
    \ifstrempty{#1}{}%
    {\refstepcounter{comentario}%
        \hx@comentar{#1}{#2}{#3}%% [rótulo], cor , footnote , indicador
    }%
    \fi%
}%% [rótulo], cor , footnote , indicador
\else%
\if@modopublicaraceitando
\newcommand{\hx@gensug}[7][]{#6}%
\else%
\newcommand{\hx@gensug}[7][]{#4}%
\fi%
\fi%

%% Agora o criador
%% criando novos autores
%% nome do autor, cor, identificador
\newcommand{\hxautor}[3]{%
    % hxcomment - texto a hl, cor, comentário, indicador de pessoa
    \expandafter\newcommand\csname#1\endcsname[2][]%
    {%
        %Comentários
        \hx@comment[##1]{##2}{#2}{#3}}%
    % [texto a marcar], cor , comentário, palavra, rótulo
    \expandafter\newcommand\csname#1r\endcsname[3][]%
    {\hx@commentLabeled[##1]{##2}{#2}{#3}{##3}}%
    % cortados
    \expandafter\newcommand\csname#1x\endcsname[2][]%
{%
    %Comentários
    \hx@xcomment[##1]{##2}{#2}{#3}}%
% [texto a marcar], cor , comentário, palavra, rótulo
\expandafter\newcommand\csname#1rx\endcsname[3][]%
{\hx@xcommentLabeled[##1]{##2}{#2}{#3}{##3}}%

    %sugestões
    \expandafter\newcommand\csname#1sug\endcsname[2][]%
    {\hx@gensug[##1]{#2}{#3}{}{#2}{##2}{#2}}%
    %
    \expandafter\newcommand\csname#1rem\endcsname[2][]%
    {\hx@gensug[##1]{#2}{#3}{##2}{#2}{}{#2}}
    \expandafter\newcommand\csname#1troca\endcsname[3][]%
    {\hx@gensug[##1]{#2}{#3}{##2}{#2}{##3}{#2}}%
}%
\hxautor{prof}{red}{Prof}
\hxautor{cand}{blue}{Cand}
%%
```

```
%%
%%
%% reclamações sobre citações
%%
%%
\if@showcomentario%
%% cria o título
\newcommand{\listcomentarioref}{Necessidades de Citação}%
%% cria a lista
\@ifundefined{chapter}{ \newlistof[section]{comentarioref}{ccr}{\listcomentarioref}}{\newlistof
\else%
%% se não é para mostrar, não faz nada
\newcommand{\listofcomentarioref}{}%
\fi%
\if@showcomentario%
\newcommand{\hx@commentref}[3][]{%
    \refstepcounter{comentarioref}%
    \hx@hll{#3}{#1}%
    \hx@ednote{#2}{#3}{Citar}%
    \addcontentsline{ccr}{comentarioref}{\protect\numberline{\thecomentarioref}{#2}}%
}%
\setlength{\cftcomentariorefnumwidth}{2.5em}%
\else%
\newcommand{\hx@commentref}[3]{}%
\fi%
\if@showcomentario
\newcommand{\favorcitar}[1][algo que suporte essa afirmação]{%
    \hx@commentref{Por favor citar #1}{\cor@citar}}%
\else%
\newcommand{\favorcitar}[1][]{}%
\fi%
%%
%%
%%
%% Marcando ou esquendo dos rascunhos
%% Changebar foi removido porque é ruim
%%
```

`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. Due to problems with soul accepting `\hxdrafttitle` we use `\colorbox` to support multiple languages if default title is used

```
\if@showrascunho%
\NewEnviron{rascunho}[1][]{%
    \ifstrempty{#1}
    {\colorbox{\corleve{\cor@hlrascunho}}{\textbf{\hxdrafttitle}}}
    {\hx@hll{\cor@hlrascunho}{\textbf{#1}}}%
    \newline%
    \BODY%
```

```
}%
{}%
\surroundwithmdframed{rascunho}%
\else%
\NewEnviron{rascunho}[1][]{}{}%
\fi%

%% Futuro \\
%%
%% \newcommand{\namargem}{\ed@margin{Teste}}
%%
%%
%%
%% Fazendo um todo do todonotes simples
%
%%\if@showtodo%
\hxautor{hx@todoauthor}{orange}{TO DO}%
\newcommand{\hx@todobackgroundcolor}{orange}%
\newcommand{\hxdefinetodocolor}[1]{\renewcommand{\hx@todobackgroundcolor}{#1}}%
\newcommand{\todo}[2][comentar]{%
\IfEq{inline}{#1}%
{%
\begin{mdframed}[backgroundcolor=\hx@todobackgroundcolor]
#2%
\end{mdframed}%
}%
{%
\hx@todoauthor{#2}%
}%
}%
%%\else%
%%\newcommand{\todo}[2][]{}%
%%\fi%
%
```

End of Code

Change History

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

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