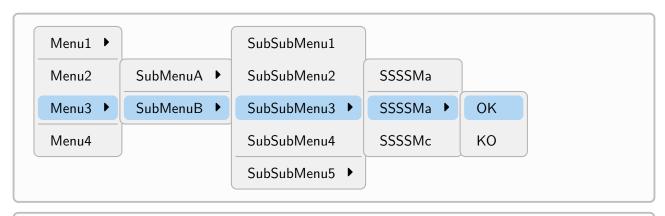
sim-os-menus

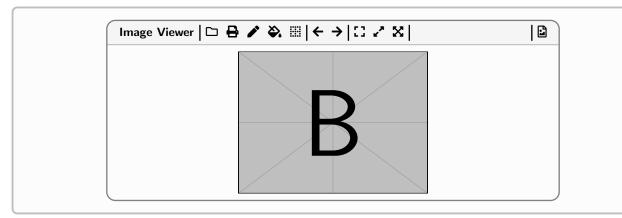
Simulate 'windows', 'terminal' or 'context menu' like in an OS.

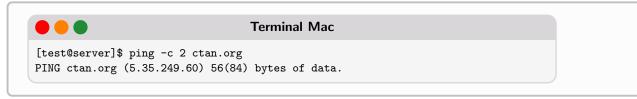
Version 0.1.0 -- 13/11/2023

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https://github.com/cpierquet/sim-os-menus









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1 Introduction

1.1 Description

With this package you can create context menu, or terminal, or doc viewer, like in an OS. Global styles are mostly fixed, but some customizations are possible.

1.2 Loading

To load the package, simply use:

\usepackage{sim-os-menus}

The package loads the packages :

- tikz (with calc, positioning), pgf, pgffor;
- calc, fontawesome5;
- simplekv, xintexpr, listofitems, xstring;
- settobox, tabularray;
- tcolorbox (with breakable, fitting, skins, listings, listingsutf8, hooks).

1.3 History

0.1.0 : Initial version

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2 The macros

2.1 Context menu

I order to create a context menu, the command is:

```
%----contextual menu
\ContextMenu[keys]{list of items}<tikz options>
```

Optional keys, between [...] are:

- ColBack := background color;
- ColHL : = highlight color ;
- Rounded := boolean for rounded corners (true by default);
- Font := font for the items (\normalsize\normalfont by default);
- ColItems := color(s) for the items (black by default);
- MarginV := vertical margin of the lines (6pt by default);
- MarginH := horizontal margin of the lines (12pt by default);
- Arrow := character for the arrow (\faCaretRight by default);
- ListSeps := list for the possible sep lines (empty or for all the levels!);
- ListIcons := list for the possible icons (empty or for all the levels/items!);
- ListOffsets := list for the possible vertical offset of levels (from 2, ...!) (empty or for all the sub-levels!);
- Icons := boolean for icons (false by default);
- Bar := boolean for small vertical bar with icons (true by default);
- Space := horizontal space between levels (-0.125 by default).

The mandatory argument, between $\{\ldots\}$, is given as:

```
item1A,item1B,...§item2A,itemp2B,...§...
```

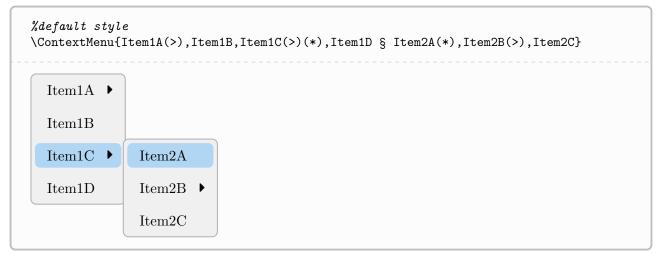
- if an item ends with (*), this is the beginning of the next level (only one by level!);
- if an item ends with (>) (before optional (*)), an arrow is written at the end of the line.

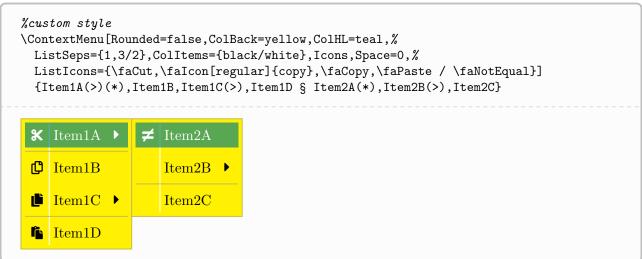
A correct usage of the syntax is necessary for the code!

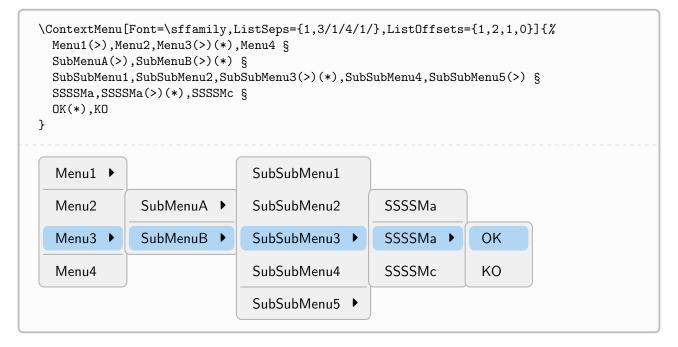
A few tips, due to ListIcons, ListOffsets and ListSeps keys, which are sensitive:

- ListIcons must have the same number of elements than the number of levels/items (with possible empty items);
- ListSeps must have the same number of elements than the number of levels (with possible empty items);
- ListOffsets must have the same number of elements than the numbers of sub-levels (with 0 si no offset!).

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2.2 Terminal

In order to create a terminal (Win/UNiX/Mac), environments are :

Optional keys, between [...] are:

- Title := title of the terminal (Terminal Win/UNiX/Mac by default);
- Align := horizontal alignment of the box (center by default);
- Width := width of the box (\linewidth by default).

The mandatory argument, between $\{\ldots\}$, are options to give to the tcbox.

```
\begin{TermWin}{}
Microsoft Windows [version 10.0.22000.493]
(c) Microsoft Corporation. Tous droits réservés.
C:\Users\test>ping ctan.org
Envoi d'une requête 'ping' sur ctan.org [5.35.249.60] avec 32 octets de données :
Réponse de 5.35.249.60 : octets=32 temps=35 ms TTL=51
Réponse de 5.35.249.60 : octets=32 temps=37 ms TTL=51
Réponse de 5.35.249.60 : octets=32 temps=35 ms TTL=51
Réponse de 5.35.249.60 : octets=32 temps=39 ms TTL=51
Statistiques Ping pour 5.35.249.60:
Paquets: envoyés = 4, reçus = 4, perdus = 0 (perte 0%),
Durée approximative des boucles en millisecondes :
Minimum = 35ms, Maximum = 39ms, Moyenne = 36ms
\end{TermWin}
                                                                                   - 🗇 X
 >_ Terminal Win
 Microsoft Windows [version 10.0.22000.493]
 (c) Microsoft Corporation. Tous droits réservés.
 C:\Users\test>ping ctan.org
 Envoi d'une requête 'ping' sur ctan.org [5.35.249.60] avec 32 octets de données :
 Réponse de 5.35.249.60 : octets=32 temps=35 ms TTL=51
 Réponse de 5.35.249.60 : octets=32 temps=37 ms TTL=51
 Réponse de 5.35.249.60 : octets=32 temps=35 ms TTL=51
 Réponse de 5.35.249.60 : octets=32 temps=39 ms TTL=51
 Statistiques Ping pour 5.35.249.60:
 Paquets : envoyés = 4, reçus = 4, perdus = 0 (perte 0%),
 Durée approximative des boucles en millisecondes :
 Minimum = 35ms, Maximum = 39ms, Moyenne = 36ms
```

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\begin{TermUnix}[Align=flush right]{hbox}
test@DESKTOP:~\$ ping -c 2 ctan.org
PING ctan.org (5.35.249.60) 56(84) bytes of data.
\end{TermUnix}

Terminal UNIX

test@DESKTOP:~\$ ping -c 2 ctan.org
PING ctan.org (5.35.249.60) 56(84) bytes of data.

\begin{TermMac} [Width=14cm,Align=flush left]{}

\begin{TermMac} [Width=14cm,Align=flush left] {}
[test@server] \$ ping -c 2 ctan.org
PING ctan.org (5.35.249.60) 56(84) bytes of data.
\end{TermMac}

Terminal Mac

[test@server] \$ ping -c 2 ctan.org
PING ctan.org (5.35.249.60) 56(84) bytes of data.

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2.3 Viewers

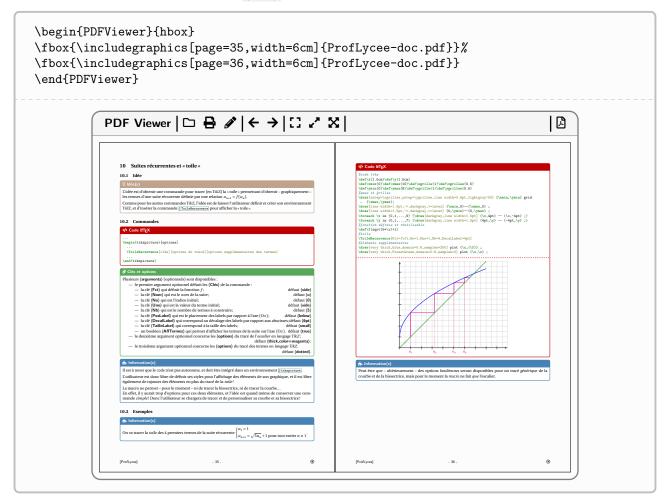
In order to create a 'fake' viewer (for pdf or img), environments are:

```
%----PDF Viewer like
\begin{PDFViewer} [keys]{tcbox options}
....
\end{PDFViewer}
%----Image Viewer like
\begin{IMGViewer} [keys]{tcbox options}
....
\end{IMGViewer}
```

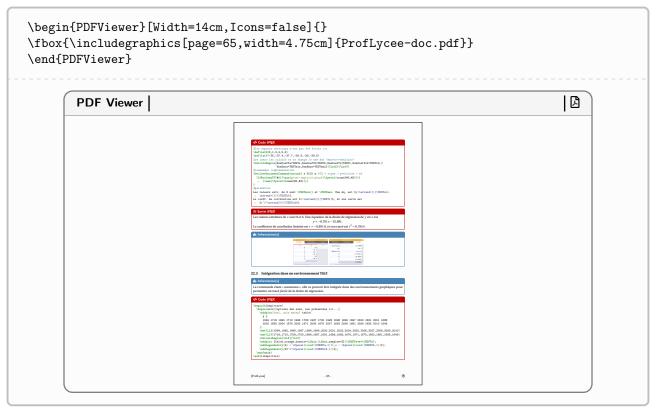
Optional keys, between [...] are:

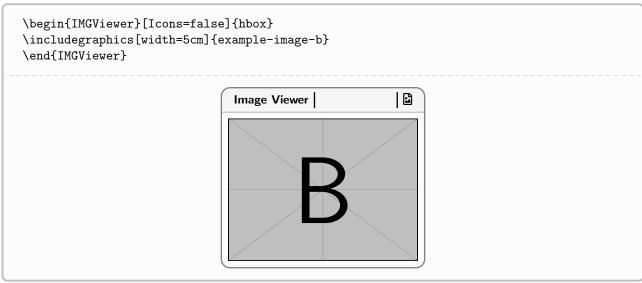
- Title := title of the terminal (Terminal Windows by default);
- Align := horizontal alignment of the box (center by default);
- Width := width of the box (\linewidth by default);
- Halign := horizontal alignment for the content (left by default);
- Icons := boolean for the icons (true by default).

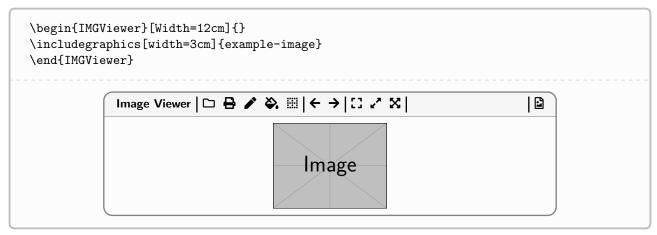
The mandatory argument, between $\{\ldots\}$, are options to give to the tcbox.



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