The cheatsheet class[1]

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Abstract

This Class provides a clean, multi-column design intended for Cheat Sheets.
It imports the most useful Packages and encloses the document in a multicol-environment.

Options

(Not)Inherited options

Because the class is inherited by article, every Option that can be passed to article, will be passed to article. There is only one restriction:

twocolumn Because I create the columns with `multicol`, `article` would screw up the layout if `twocoloumn` would be passed, so this raises an error.

Own options

columns=<x> Sets the number of columns. Note that 1 column is not supported by `multicol` and will be set to 2. standard value is 4

Commands

None so far.

Dependencies

This class is build uppon article, so of course the first dependency is:

article 1992 Leslie Lamport, 1994-97 Frank Mittelbach Johannes Braams, The LaTeX-Team,
https://www.ctan.org/pkg/kvoptions,

These are all required packages:

amsmath The LaTeX–Team, Frank Mittelbach, Rainer Schöpf, et al.,
https://www.ctan.org/pkg/amsmath,
For better math-typesetting

amssymb American Mathematical Society,
mirror.ctan.org/fonts/amsfonts/doc/amssymb.pdf,
For more mathematical symbols

csqutotes Philipp Lehman (inaktiv), Joseph Wright,
https://www.ctan.org/pkg/csquotes,
For better citation

etoolbox Philipp Lehman (inactive), Joseph Wright,
https://www.ctan.org/pkg/etoolbox,
The package is a toolbox of programming facilities geared primarily towards LaTeXclass and package authors

fontenc The LaTeX–Team,
https://www.ctan.org/pkg/fontenc,
The package allows the user to select font encodings

hyperref Sebastian Rahtz, Heiko Oberdiek,
https://www.ctan.org/pkg/hyperref,
I originally did not want to include it, but apparently I can not use `\AtBeginDocument` if hyperref is not the first Package to be loaded.
If anyone has an other solution, please let me know!

kvoptions Heiko Oberdiek,
https://www.ctan.org/pkg/kvoptions,
for key=value–style options

libertine Bob Tennent,
https://www.ctan.org/pkg/libertine,
A nicer than default font (at least in my opinion)

mdframed Marco Daniel, Elke Schubert,
https://www.ctan.org/pkg/mdframed,
Provides breakable, colored, framed boxes

multicol The LaTeX–Team, Frank Mittelbach,
https://www.ctan.org/pkg/multicol,
Provides the multicolumn–layout

suffix David Kastrup,
https://www.ctan.org/pkg/suffix,
Makes it easy to define `\macro*` commands

xcolor Uwe Kern,
https://www.ctan.org/pkg/xcolor,
Based uppon `color`, it provides colors

xifthen Josselin Noirel,
https://www.ctan.org/pkg/xifthen,
For if–else–structures

Development and support

The class is developed at *GitHub*:

https://github.com/ACHinrichs/LaTeX-templates

Please refer to that site for any bug report or development information.

Changelog

v0.2 - 2017/07/06 Initial

v0.4 - 2017/07/29 Enclose document with multicol (technicaly, it is the other way around)

v0.8 - 2017/08/18 Change names to match CTANS requirements,
Fix a possibly old Bug, could date back to `v0.4`

Note: The minor version of stable versions is always even, the minor version of unstable versions is always odd. There are no unstable patch–versions, instead unstable versions get an alphabetical suffix.

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[1] This document corresponds to cheatsheet.cls v1.0, dated 2017/08/18

Credits

This class is not based upon, but inspired by a document I found on STACKOVERFLOW. Unfortunately, I can't find it anymore. If you happen to find it, feel free to open a Pull-Request (or an Issue, or send me an E-Mail) , so that I can credit him or her!

Known Bugs

- When trying to use `\lstinline` in the label of an `description`–item, the code–snippet will be displayed at the bottom of the column. Possibly relates to floats not being supported by `multicol`

Examples

For examples, pleas see the Git-Repo at `https://github.com/ACHinrichs/LaTeX-templates` or my CheatSheets at `https://github.com/ACHinrichs/CheatSheets` **or this document!**

Minimal Document

```
\documentclass[a4paper,landscape,columns=3]{CheatSheet}

\title{Cheat--Sheet}
\author{A. Uthor\\\href{mailto:author@mail.eg}{author@mail.
    ↪ eg}}
\date{\today}
\begin{document}
\maketitle
\section{Some things}
Cheats
\section{Other things}
more Cheats
\end{document}
```