

The cheatsheet class¹

Adrian C. Hinrichs

adrian.hinrichs@rwth-aachen.de

September 4, 2017

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 `twocolumn` 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 L^AT_EX-TEAM,
<https://www.ctan.org/pkg/kvoptions>,

These are all required packages:

amsmath THE L^AT_EX-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](https://www.ctan.org/fonts/amsfonts/doc/amssymb.pdf),
For more mathematical symbols

csquotes 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 L^AT_EXclass and package authors

fontenc THE L^AT_EX-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 L^AT_EX-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.

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

²In case the href is invalid: <https://stackoverflow.com/a/36768704>

³Profile: <https://stackoverflow.com/users/3646022/tim>

Credits

This class is not based upon a document I found on STACKOVERFLOW, but I lost the link to it. As GITHUB-User *torbei* found out, it appears to be this² answer by STACKOVERFLOW-User “Tim”³
Thank you very much for your inspiration, *Tim*!

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}
```