

Documentation

InfoBulle Package

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1 Preamble

This package is freely available under the \LaTeX Project Public Licence.

2 Include the package

```
\usepackage{infoBulle}
```

3 Prerequisites

To use this package, you need to compile the document using it with $\text{\textcolor{red}{Xe}\LaTeX}$. You also need the **fontawesome** package and font installed on your system.

If you can't fit those requirements, use the previous versions of this package. However, note that lots of functionalities were added thanks to the fontawesome package (which requires $\text{\textcolor{red}{Xe}\LaTeX}$).

4 Defined commands

4.1 infoBulles

This package mainly defines the following commands :

- `\infoInfo{<Title>}{<Text>}`
- `\warningInfo{<Title>}{<Text>}`
- `\criticalInfo{<Title>}{<Text>}`
- `\checkInfo{<Title>}{<Text>}`
- `\questionInfo{<Title>}{<Text>}`
- `\tipsInfo{<Title>}{<Text>}`

To each of the command described above, there exists a corresponding environment :

- `\begin{InfoInfo}{<Title> <Text>\end{InfoInfo}`
- `\begin{WarningInfo}{<Title> <Text>\end{WarningInfo}`
- `\begin{CriticalInfo}{<Title> <Text>\end{CriticalInfo}`
- `\begin{CheckInfo}{<Title> <Text>\end{CheckInfo}`
- `\begin{QuestionInfo}{<Title> <Text>\end{QuestionInfo}`
- `\begin{TipsInfo}{<Title> <Text>\end{TipsInfo}`

Which results in this :

Title

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

Title

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

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Title

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Title

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

4.2 Code listings

This package also implement an environment that typeset code listings :

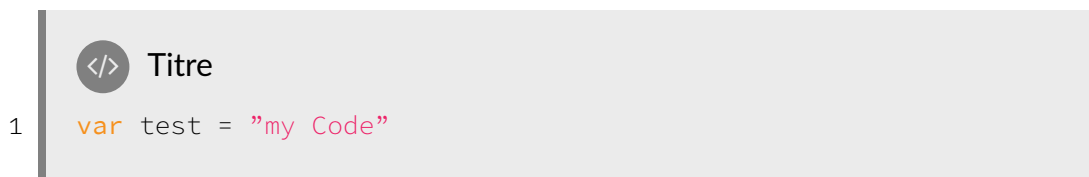
```

\begin{CodeInfo}{< Title >}[< caption >]
    \begin{CodeInfoLst}[< language >]
var test = "my Code"
    \end{CodeInfoLst}
\end{CodeInfo}

```

The caption and the language arguments are optional. <language> is the language in which the listed code is written, as given in the list of supported languages in the listings package documentation.

Which results in this :



5 Customization

It is possible to define new infoBulle (here levelInfo) using the following syntax (before \begin{document}):

```
\makeatletter
```

```
\definecolor{levelColor}{RGB}{23, 23, 23}
```

```
\newcommand{\levelInfo}[2]
{\@infoBulleSkeleton{levelColor}{< logo >}{#1}{#2}}
```

```
\makeatother
```

The \definecolor command defines a new color that will be used for the line and logo color (passed as first argument to \@infoBulleSkeleton). The <logo> argument should be a fontawesome command or a tikzpicture ($0.75cm \times 0.75cm$).

Example :

```
% Just pass a fontawesome icon
\faTimesCircle
```

```
% Or a complete tikzpicture
\newcommand{\codeLogo}{
    \begin{tikzpicture}[inner sep=0mm] %remove white margin
        \fill[Grey] (0,0) circle (.35cm); % logo background
        \draw (0,0)
            node {\fontsize{.4cm}{.48cm}\color{White}A};
    \end{tikzpicture}
}
```

6 Maths

Also defined are commands to typeset math elements like theorem, lemma, etc :

- `\begin{theorem}[<title>]<text>\end{theorem}`
- `\begin{lemma}[<title>]<text>\end{lemma}`
- `\begin{axiom}[<title>]<text>\end{axiom}`
- `\begin{proposition}[<title>]<text>\end{proposition}`
- `\begin{definition}[<title>]<text>\end{definition}`
- `\begin{corollary}[<title>]<text>\end{corollary}`

7 Package Options

All following options can be passed, separated by commas, as package options or as argument to the command `\infoBulleConfiguration{<conf>}`.

To make the icons hexagonal : `icon/shape=hexagonal`

To display the icons in the margin : `marginIcons=true`

To deactivate all the math environment (useful if you define yourself those environments and don't wish to use infoBulle design for them) : `mathInfoBulle=false`

To make the math counters (i.e. theorem, lemma, axiom, etc. number) reset themselves each section/subsection/chapter/part/etc : `mathCounterReset=section/subsection/etc.`