

1 markdown-latex

A markdown parser for converting markdown to LaTeX written in PHP.
Implementation based on cebe/markdown¹.

1.1 Installation

PHP 5.4 or higher is required to use it.

Installation is recommended to be done via composer² by adding the following to the require section in your composer.json:

```
1 "cebe/markdown-latex": "*"
```

Run composer update afterwards.

1.2 Usage

1.2.1 In your PHP project

To use the parser as is, you just create an instance of a provided flavor class and call the parse()- or parseParagraph()-method:

```
1 // default markdown and parse full text
2 $parser = new \cebe\markdown\latex\Markdown();
3 $parser->parse($markdown);
4
5 // use github
6 $parser = new \cebe\markdown\latex\GithubMarkdown();
7 $parser->parse($markdown);
8
9 // parse only inline elements (useful for one-line descriptions)
10 $parser = new \cebe\markdown\latex\GithubMarkdown();
11 $parser->parseParagraph($markdown);
```

1.2.2 The command line script

You can use it to render this readme:

```
1 bin/markdown-latex README.md > output.tex
```

¹A markdown parser for PHP: <https://github.com/cebe/markdown>

²The PHP package manager: <https://getcomposer.org/>

Using github flavored markdown:

```
1 bin/markdown-latex --flavor=gfm README.md > output.tex
```

or convert the original markdown description to html using the unix pipe:

```
1 curl http://daringfireball.net/projects/markdown/syntax.text |  
  bin/markdown-latex > output.tex
```

To create a latex document you have to include the generated latex source in a latex document main.tex:

```
1 \documentclass[a4paper, 12pt]{article}  
2  
3 % english and utf8  
4 \usepackage[british]{babel}  
5 \usepackage[utf8]{inputenc}  
6  
7 % url support  
8 \usepackage{url}  
9  
10 % make links clickable  
11 \usepackage{hyperref}  
12  
13 % code listings  
14 \usepackage{listings}  
15  
16 % include images  
17 \usepackage{graphicx}  
18  
19 % support github markdown strikethrough  
20 % http://tex.stackexchange.com/questions/23711/strikethrough-  
  text  
21 \usepackage{ulem}  
22  
23 \begin{document}  
24  
25   \include{output.tex}  
26  
27 \end{document}
```

make a PDF with `pdflatex main.tex`.