What is Markdown?

Markdown is a way to style text on the web. You control the display of the document; formatting words as bold or italic, adding images, and creating lists are just a few of the things we can do with Markdown. Mostly, Markdown is just regular text with a few non-alphabetic characters thrown in, like # or *.

You can use Markdown most places around GitHub:

- Gists
- Comments in Issues and Pull Requests
- Files with the .md or .markdown extension

Syntax guide

Here's an overview of Markdown syntax that you can use anywhere on GitHub.com or in your own text files.

Headers

```
# This is an <h1> tag
## This is an <h2> tag
###### This is an <h6> tag
```

Emphasis

```
*This text will be italic*
_This will also be italic_
```

This text will be bold
__This will also be bold__

You **can** combine them

Lists

Unordered

* Item 1
* Item 2
  * Item 2a
  * Item 2b

Ordered

1. Item 1
1. Item 2
1. Item 3
   1. Item 3a
   1. Item 3b

Images

![GitHub Logo](/images/logo.png)
Format:

Links

http://github.com - automatic!
[GitHub](http://github.com)

Blockquotes

As Kanye West said:

> We're living the future so
> the present is our past.

Inline code

I think you should use an
`<addr>` element here instead.

GitHub Flavored Markdown

Syntax highlighting

Here's an example of how you can use syntax highlighting with GitHub
Flavored Markdown:

```javascript
function fancyAlert(arg) {
  if(arg) {
    $.facebox({div:'#foo'})
  }
}
```

You can also simply indent your code by four spaces:

```
function fancyAlert(arg) {
  if(arg) {
    $.facebox({div:'#foo'})
  }
}
```

Here's an example of Python code without syntax highlighting:

```
def foo():
    if not bar:
        return True
```

Task Lists

- [x] @mentions, #refs, [links](), **formatting**, and ~~tags~~ supported
- [x] list syntax required (any unordered or ordered list supported)
- [x] this is a complete item
- [ ] this is an incomplete item

If you include a task list in the first comment of an Issue, you will get a handy progress indicator in your issue list. It also works in Pull Requests!

Tables

You can create tables by assembling a list of words and dividing them with hyphens - (for the first row), and then separating each column with a pipe |:

```
First Header | Second Header
------------ | -------------
Content from cell 1 | Content from cell 2
Content in the first column | Content in the second column
```

Would become:

First Header	Second Header
Content from cell 1	Content from cell 2
Content in the first column	Content in the second column

SHA references

Any reference to a commit's SHA-1 hash will be automatically converted into a link to that commit on GitHub.

```
16c999e8c71134401a78d4d46435517b2271d6ac
mojombo@16c999e8c71134401a78d4d46435517b2271d6ac
mojombo/github-flavored-markdown@16c999e8c71134401a78d4d46435517b2271d6ac
```

Issue references within a repository

Any number that refers to an Issue or Pull Request will be automatically converted into a link.

```
#1
mojombo#1
mojombo/github-flavored-markdown#1
```

Username @mentions

Typing an @ symbol, followed by a username, will notify that person to come and view the comment. This is called an "@mention", because you're

mentioning the individual. You can also @mention teams within an organization.

Automatic linking for URLs

Any URL (like http://www.github.com/) will be automatically converted into a clickable link.

Strikethrough

Any word wrapped with two tildes (like ~~this~~) will appear crossed out.

Emoji

https://github.com/ikatyang/emoji-cheat-sheet/blob/master/README.md