Writing Markdown in LaTeX documents

Including an external `.md` file, distributed with the `markdown` package:
(Markdown example text adapted from `http://www.unexpected-vortices.com/sw/rippledoc/quick-markdown-example.html`)

1 An h1 header

Paragraphs are separated by a blank line.

2nd paragraph. *Italic*, **bold**, and `monospace`. Itemized lists look like:

- this one
- that one
- the other one

> Block quotes are written like so.
> They can span multiple paragraphs, if you like.

Use 3 dashes for an em-dash. Use 2 dashes for ranges (ex., "it's all in chapters 12–14"). Three dots ... will be converted to an ellipsis (only if you enable the `smartEllipses` option).

1.1 An h2 header

Here's a numbered list (use `hashEnumerators` option if you want to use hashes):

1. first item
2. second item
3. third item

Here's a code sample:

```
# Let me re-iterate ...
for i in 1 .. 10 { do-something(i) }
```

As you probably guessed, indented 4 spaces.
Or use fenced code (with `markdown` v2.4):

```
# Let me re-iterate ...
for i in 1 .. 10 { do-something(i) }
```

1.1.1 An h3 header

Now a nested list:

1. First, get these ingredients:

   - carrots
   - celery
   - lentils

2. Boil some water.

3. Dump everything in the pot and follow this algorithm:

   ```
   find wooden spoon
   uncover pot
   stir
   cover pot
   balance wooden spoon precariously on pot handle
   wait 10 minutes
   goto first step (or shut off burner when done)
   ```

   Do not bump wooden spoon or it will fall.

Here's a link to a website[1]. And now[2] you can also use inlined footnotes with `inlineFootnotes`.

A horizontal rule follows.

Here's a definition list (with `definitionLists` option):

apples Good for making applesauce.
oranges Citrus!
tomatoes There's no "e" in tomatoe.

and images can be specified like so, and cross-referencing works if you add a `fig:` to the label: **Figure 1**

If you enable the `hybrid` option, You can mix LaTeX code in Markdown! Inline math equations go in like so: $\omega = d\phi/dt$. Displaymath too:

$$I = \int \rho R^2 dV \qquad (1)$$

And note that you can backslash-escape any punctuation characters which you wish to be displayed literally, ex.: 'foo', *bar*, etc.

Citations are now supported with `markdown` v2.4; but beware of underscores in BibTeX keys (best avoided)! When they work, they look like [1] or [see 2, p.26].

As of `markdown` v2.8.0 you can use PHP's pipe table syntax, if you load the `pipeTables` option. You don't have to line up the pipes exactly; somehow it works out. If you also add the `tableCaptions` option, you can add a caption too! Note that there must be an empty line after the caption.
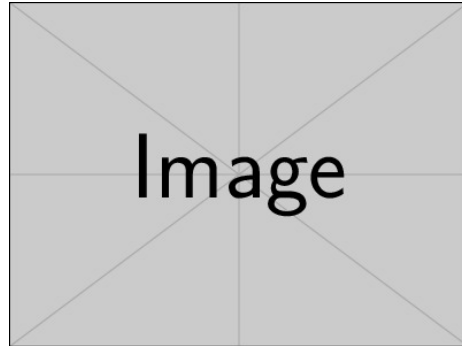
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[1] <http://foo.bar>
[2] with `markdown` v2.4

Figure 1: An exemplary image

Right	Left	Default	Center
12	12	12	12
123	123	123	123
1	1	1	1

Table 1: Demonstration of pipe table syntax.

References

[1] Vít Novotný. Using markdown inside TeX documents. *TUGboat*, 38(2): 214–217, 2017.

[2] Vít Novotný. Markdown 2.7.0: Towards lightweight markup in TeX. *TUGboat*, 40(1):25–27, 2019.