

GouTP @ SCEE

About Markdown and MediaWiki

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February 23th, 2017

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■ *About:*

- Markdown: concept, syntax, tools
- Wiki & MediaWiki

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Outline

- 0 Intro: markup languages
- 1 Markdown
 - Syntax, examples
 - Experiment with *Markdown* !
 - 2 tools: demo of *Typora* and *Marp*
 - Pro tool : `pandoc` (another GouTP)
- 2 MediaWiki
 - For Wikipedia, and our internal SCEE Wiki

Intro: why using markup languages?

Facts

- LaTeX and HTML can be painful to write manually
- Hard to read and parse for a human, and need a learning time

Solution ?

- Use a **markup language as simple as possible**
- For many use, a lightweight markup language is enough:
 - ① write *simple text* with light markup
 - ② *convert* the text to PDF, LaTeX, HTML etc.
- Example: *Wikipedia* pages are not written in HTML ...

1. Markdown

Close to the “natural” syntax we use in emails

- **Emphasis:** `*italic*`, `**bold**`,
- **Lists:** unnumbered with `- item`, numbered with `1. item`
- **Titles:** `# Title 1`, `## Heading 2`, `### Heading 3` etc
- **Links:** `[text] (address)` and **image:** `![alt] (cat.png)`
- **Quote:** like emails, `> quote ...`

Example of Markdown output

Heading 2

- Emphasis: *italic*, **bold**,
- Lists, one item by line:
 - ① unnumbered with - item
 - ② numbered with 1. item

Heading 3

- Links: commonmark.org



- and image:

Quote: like emails, > quote ...

Markdown tutorial

No official reference for the syntax, but the best reference is CommonMark (CommonMark.org)

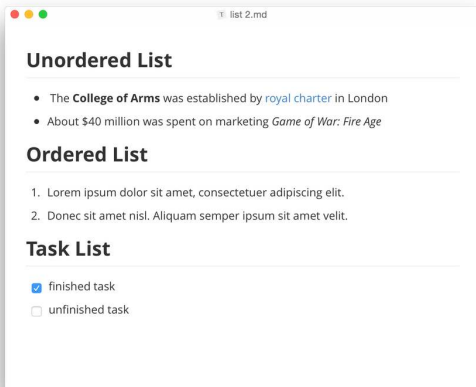
- Markup reference: CommonMark.org/help
- 5 minutes tutorial: CommonMark.org/help/tutorial
→ **Let's do it now!**

There is plenty of syntax extensions: for tables, footnotes, etc

Demo time: Typora for notes

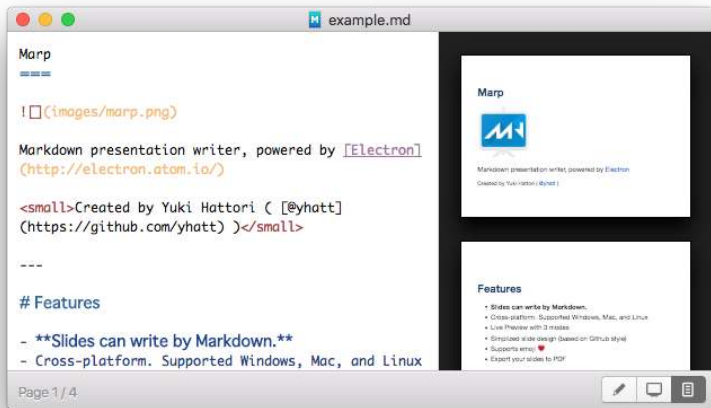
■ Markdown *document* writer: `typora.io`

Images, **Lists**, Tables, Code Fences, Math Blocks, YAML Front Matters, Toc, etc..



Demo time: Marp for slides

- Markdown *presentation* writer, free and open-source:
`yhatt.github.io/marp`



Marp: Features

- Free and open-source
- **Slides are written in pure Markdown.**
- *Cross-platform.* Supports Windows, Mac, and Linux
- *Live Preview* with 3 modes
- Slide themes and custom background images
- Supports emoji
- Render maths in your slides:

$$e^{i\pi} = -1$$

- Export your slides to PDF

2. MediaWiki

- A Wiki tool, free and open-source, powering Wikipedia
→ mediawiki.org
- Syntax very close to Markdown, only small differences

Used internally @ SCEE for our MediaWiki: *demo time* !

MediaWiki on WS4 (→ HP-SCEE-1, IP: 172.16.3.80)

- Log in, edit a page, save it
→ **Let's try it now!**

Conclusion

- I hope you learned how to use **Markdown & MediaWiki**
- Now... use it !
- Try to edit our SCEE MediaWiki, if you want to add content

- If you are curious about a more complete use of Markdown, try to practice with it, and wait for next GouTP on **Advanced Markdown with pandoc !**

Thanks for coming!