GouTP @ SCEE

• 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](https://pandoc.org) (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:
  i. write *simple text* with light markup
  ii. 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**, ~~striked~~
- **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**, *striked*
- Lists, one item by line:
  1. unnumbered with - item
  2. numbered with 1. item

Heading 3

- Links: [commonmark.org](http://commonmark.org)
- and image: ![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! 🍬