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Logic Design Lab

Labs

- Lab 1 Done
- Lab 2 Done
- Lab 3 Done
- Lab 4 Done
- Lab 5 Done
- Lab 6 Done
- Lab 7 Done

Slides

Slides

Pandoc Usage

Template Usage

Move the template `template.latex`(for example: `eisvogel.latex`) to your pandoc templates folder. The location of the templates folder depends on your operating system:

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- Unix, Linux, macOS: `/Users/USERNAME/.local/share/pandoc/templates/` or `/Users/USERNAME/.pandoc/templates/`
 - Windows Vista or later: `C:\Users\USERNAME\AppData\Roaming\pandoc\templates\`

If there are no folders called `templates` or `pandoc` you need to create them and put the template `template.latex` inside. You can find the default user data directory on your system by looking at the output of `pandoc --version`.

YAML Metadata

Pandoc will follow the metadata to process the document and some fields will depend on the templates. Here we take report of lab3 as an example

```
1 ---
2 title: Lab 3 - Counters and Shifters I Report
3 author: Sheng-Yen Chou
4 date: "2022-03-22"
5 CJKmainfont: "Microsoft JhengHei"
6 CJKoptions: AutoFakeBold
7 subject: "Lab 3 - Counters and Shifters I Report"
8 keywords: [Markdown, Pandoc]
9 titlepage: true
10 titlepage-rule-color: "360049"
11 titlepage-background: "background1.pdf"
12 toc-own-page: true
13 ---
```

Variables explain

- `CJKmainfont`:
Set the Chinese font for the document and remember the font should be installed in the computer already.
- `titlepage-background`:
The background image of the cover page. Template `Eisvogel` customs.
- `toc-own-page` (defaults to **false**):
begin new page after table of contents, when **true**.
- `listings-no-page-break` (defaults to **false**)
avoid page break inside listings
- `disable-header-and-footer` (default to **false**)
disables the header and footer completely on all pages

-
- `header-left` (defaults to the title)
the text on the left side of the header
 - `header-center`
the text in the center of the header
 - `header-right` (defaults to the date)
the text on the right side of the header
 - `footer-left` (defaults to the author)
the text on the left side of the footer
 - `footer-center`
the text in the center of the footer
 - `footer-right` (defaults to the page number)
the text on the right side of the footer

For more detail of the custom variable of template [Eisvogel](#), please refer to [Eisvogel README](#)

Pandoc Command Line

```
1 pandoc -o readme.pdf readme.md --pdf-engine=xelatex -V CJKmainfont="
  Microsoft JhengHei" --from markdown --template eisvogel --listings
  --toc --toc-depth=4
```

- `-V CJKmainfont="Microsoft JhengHei"`
Specify the Chinese font to use during the conversion.
- `--pdf-engine=xelatex`
Specify the Latex engine. The engine `xelatex` supports Chinese.
- `--template`
Decide which template to use
- `--listings`
The package to process Latex code block.
- `--toc`
Decide whether to generate the table of content.

-
- `--toc-depth=4`

Decide the depth of the table of the content.

Reference

- 使用 Pandoc 將 Markdown 轉為 PDF 文件

A friendly guide of Pandoc in Chinese.

- Eisevogel (Version 2.0.0)

The template I use.