

Basic Book Builder

A Pandoc template for building books and articles



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Contents

Preface	1
1 Introduction	2
2 Getting Started	3
2.1 Installing Pre-Requisites	3
2.1.1 Required	3
2.1.1.1 Pandoc	3
2.1.1.2 Code Editor	3
2.1.1.3 jq and yq	4
2.1.1.4 texlive	4
2.1.1.5 MathJax	4
2.1.2 Optional	4
2.1.2.1 Obsidian	4
2.1.2.2 Zotero	5
2.1.2.3 lmodern	5
2.1.2.4 epubcheck	5
2.1.2.5 foliate	5
2.1.2.6 calibre	6
2.2 Editing the Configuration	6
3 Editing the Book	7
3.0.1 Configuration	7
3.0.1.1 Main Config Files	7
3.0.2 FrontMatter Config	8
3.1 Editing the Content	8
3.1.1 Citations	8
3.2 Usage: Building the Book	8
3.2.0.1 PDF	8
3.2.0.2 HTML	8
3.2.0.3 LaTeX	8
3.2.0.4 Markdown	8
3.2.0.5 EPub	9

CONTENTS

Glossary	10
Index	11
Bibliography	12

Preface

Preface to the Book...

Chapter 1

Introduction

This is a basic book (or article) builder template based on a Pandoc build process in conjunction with a number of other tools to generate PDF, ODT, HTML, LaTeX, Markdown, and Epub book output formats from Markdown source content , which can optionally be edited as an Obsidian vault.

This book builder template has been curated by John Haverlack.([John Haverlack | ACEP, n.d.](#))

Chapter 2

Getting Started

2.1 Installing Pre-Requisites

For Debian / ZorinOS and likely Ubuntu based systems.

TODO

It would be nice to roll a setup script to take care of this.

2.1.1 Required

2.1.1.1 Pandoc

- <https://pandoc.org/>
- [Download](#)

```
sudo apt install https://github.com/jgm/pandoc/releases/download/3.8.2.1
3.8.2.1-1-amd64.deb
```

2.1.1.2 Code Editor

Code Editor

[VSCodium](#) is recommend for privacy (telemetry/tracking) reasons - <https://vscodium.com/>

But any text editor will work. #### make

```
sudo apt install make
```

2.1.1.3 jq and yq

```
sudo apt install jq yq
```

2.1.1.4 texlive

```
sudo apt install texlive texlive-xetex texlive-latex-extra  
texlive-fonts-recommended texlive-fonts-extra
```

2.1.1.5 MathJax

- <https://www.mathjax.org/>

```
wget https://registry.npmjs.org/mathjax/-/mathjax-3.2.2.tgz  
tar xzf mathjax-3.2.2.tgz  
mv package/es5/* lib/mathjax  
rm -rf package mathjax-3.2.2.tgz
```

TODO

This need to be rolled into a setup script.

2.1.2 Optional

The following are not strictly requires to use this book builder template.

2.1.2.1 Obsidian

Highly Recommended

Editing book chapter content in Obsidian is a very productive means for editing Markdown source content.

- <https://obsidian.md/>
- [Deb Package](#)

```
sudo apt install https://github.com/obsidianmd/obsidian-releases/releases/download
```

2.1.2.2 Zotero

Highly Recommended

If you need to managed citations and references, Zotero integration is highly recommended.

- <https://www.zotero.org/>

```
sudo cp ./scripts/deps/zotero.list /etc/apt/sources.list.d/
```

```
sudo apt update
```

```
sudo apt install zotero
```

2.1.2.2.1 Better BibTex for Zotero Install the Better BibTex Plugin for Zotero - Zotero > Tool > Plugins

2.1.2.2.2 Export citations.bib

- Zotero > File > Export Library > Format: Better BibTeX
- ☐ Keep Updated
- ☐ Save to: ~/Documents/Lib/zotero.bib
- ☐ Symlink your ~/Documents/Lib/Citations.bib to basic-book-builder/lib/zotero.bib

2.1.2.2.3 Zotero Connector Browser Plugin

- <https://chromewebstore.google.com/detail/zotero-connector/ekhagklcjbdpajgpjgmbionohl>

Provides you the ability to auto add Web resources to your Zotero citation database.

2.1.2.3 lmodern

```
sudo apt install lmodern
```

2.1.2.4 epubcheck

```
sudo apt install epubcheck
```

2.1.2.5 foliate

An EPub Reader

- <https://johnfactotum.github.io/foliate/>

```
sudo apt install https://github.com/johnfactotum/foliate/releases/download/2
```

2.1.2.6 calibre

An EPub Reader

- <https://calibre-ebook.com>

```
sudo apt install calibre
```

2.2 Editing the Configuration

Chapter 3

Editing the Book

3.0.1 Configuration

There are a number of other config files for each format:

```
conf/
├── epub-metadata.xml
├── epub_template.html
├── epub.yaml
├── frontmatter_epub.md
├── frontmatter_epub.xhtml
├── frontmatter.html
├── frontmatter.tex
├── header.tex
├── html.yaml
├── latex.yaml
├── markdown.yaml
├── metadata.yaml
├── pandoc.yaml
├── pdf.yaml
├── style.css
└── style_epub.css
```

3.0.1.1 Main Config Files

- metadata.yaml - Set Title, etc
- pandoc.yaml - Main Pandoc Config ##### Per format Configs
- pdf.yaml
- html.yaml
- latex.yaml
- epub.yaml

3.0.2 FrontMatter Config

There are 2 Version of the FrontMatter for PDF, and HTML bases formats that set the Title, Author, Verizon, Copyright, etc...

- `frontmatter.tex`
- `frontmatter.html`
- `frontmatter_epub.*` - Work in Progress

There is probably a better way to do this.

3.1 Editing the Content

To edit the book open the `basic-book-builder` directory as an Obsidian Vault.

- Edit the Markdown content in the `chapters` directory.

3.1.1 Citations

Note: the Zotero database needs configured to export automatically to `lib/citations.bib`

To insert a Zotero Citation - Ensure the Zotero App and DB are running on you system. - Alt + I (to insert citation) - Search for and select citation reference

3.2 Usage: Building the Book

3.2.0.1 PDF

```
make pdf
```

3.2.0.2 HTML

```
make html
```

3.2.0.3 LaTeX

```
make latex
```

3.2.0.4 Markdown

```
make markdown
```

CHAPTER 3. EDITING THE BOOK

3.2.0.5 EPub

Note: This ePub configuration still needs tuning.

make epub

Appendix A

First Appendix

Glossary

- **AI** - Artificial Intelligence
-

Index

Bibliography

John Haverlack | *ACEP*. n.d. <https://www.uaf.edu/acep/about/our-team/john-haverlack.php>.

John Haverlack | *ACEP*. n.d. <https://www.uaf.edu/acep/about/our-team/john-haverlack.php>.