Thesis Title

First name Surname

Department

Institution

Contents

1 Introduction

This project hopes to answer the following question:

- Can I write up my work using Markdown, but benefit from the features of LaTeX?

2 Background

2.1 Assumptions

- Users of this project don't wish to learn much (or any) LaTeX, and have some familiarity with Markdown.
- Users of this project have access to a computer that can run Docker.

2.1.1 Scope

This project provides a framework for writing Markdown, to convert it to PDF in the style of a LaTeX document.

Certain common tasks have been included in the scope:

- Support for LaTeX (tex math) formulae.
- Numbering of sections.
- Prepending a cover page.
- Prepending a table of contents.
- Appending a bibliography for citations.

Determining the best structure for your project, or the content you should include in your write-up is left as an exercise for the reader.

3 Related work

This project builds on the shoulders of the various pandoc docker images.

4 Methodology

4.1 Footnotes

It's easy to write a footnote[1].

4.2 Citations

Cite your bibliography using @-notation. For example, you could refer to this paper about Paralysis Proofs [1].

4.3 Formulae

As described in `README.md` you can write LaTeX formulae by surrounding them with `$` signs, eg.

$C_K = K + a^{2^t} \mod n$

NB. There should be no space after the opening `$` and no space before the closing `$`.

4.4 Figures

To include a figure in your document, provide it as a Markdown image. The alternative text will be used as the figure's description, eg.

Figure 1: Here is an aperture icon

If you do not provide alternative text, the image will be included but not as a figure.

To adjust the size of your image, you can provide some information in a suffix to the image markdown, eg. `{ width=100px }`

[1] Indicate your footnote with `[^1]` and provide the text of it close by using `[^1]: this is the text`

5 Implementation

Although not directly related to this document, here is a sample citation of a paper about Paralysis Proofs [1].

5.1 Part 1

First, we did this...

5.2 Part 2

Then, we did that...

6 Evaluation

7 Conclusions

8 Bibliography

The bibliography will be automatically constructed and appended from: `bibliography.bib`

1. Zhang F, Daian P, Bentov I *et al.* Paralysis proofs: Secure dynamic access structures for cryptocurrency custody and more. *AFT 2019 - Proceedings of the 1st ACM Conference on Advances in Financial Technologies* 2019:1–5.