

Creating a Typst template

TX000

for the

Bachelor of Science

from the Course of Studies Computer Science Computer Science

by

Your name

00.00.2024

Time Period

Student ID, Course

Company

Supervisor in the Company

01.01.2023 - 00.00.2024

change-me, TINF2XA

Hewlett Packard Enterprise

Someone

Confidentiality Clause

The content of this work may not be made accessible to people outside of the testing process and the evaluation process neither as a whole nor as excerpts, unless an authorization stating otherwise is presented by the training facility.

Abstract

This is quite abstract...

Author's Declaration

Hereby I solemnly declare:

1. that this TX000, titled *Creating a Typst template* is entirely the product of my own scholarly work, unless otherwise indicated in the text or references, or acknowledged below;
2. I have indicated the thoughts adopted directly or indirectly from other sources at the appropriate places within the document;
3. this TX000 has not been submitted either in whole or part, for a degree at this or any other university or institution;
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I am aware that a dishonest declaration will entail legal consequences.

Stuttgart, 00.00.2024

Set your signature by setting the signature argument to an image or set it to hide, to leave place for signing
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Your name

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Acronyms

HPE	Hewlett Packard Enterprise
JSON	JavaScript Object Notation

1 Introduction

First, in the `thesis.typ` file, adapt the configuration to match your requirements. For further configuration, look in the upper part of the `template.typ` file, e.g. to learn how to change the company name and logo. Of course, you may change other parts of the template to adapt it to your preferences.

Also, make sure to read the Typst documentation.

This template is for English documents only (for now), but one could translate it...

To configure your the language of your thesis, set the `language` parameter to either `en` (default) or `de`.

Note that the template needs to know your first chapter, you can supply it if it is not “Introduction” using the `first_chapter_title` parameter.

```
#show: thesis.with(  
  ...  
  first_chapter_title = "Introduction but with another title",  
  language: "en",  
)
```

Code example I: Code example explaining how to configure language and a different first chapter

1.1 Bibliography

As for bibliography / reference listing, you may decide whether to use “Hayagriva”, a yaml-based format designed for Typst or BibTeX (`.bib`) format, which is *well supported by other platforms and tooling* since it is commonly used by LaTeX. To switch between bibliography formats, change the above to the following:

```
#show: thesis.with(  
  ...  
  bibliography_path = "literature.bib", // or literature.yml for Hayagriva  
)
```

Code example II: Code example on how to use different bibliography formats with this template

1.2 Proposed Structure

But of cause, you can do it as you like.

Put each chapter in the `chapter/` directory, prefixed i.e. with `01-` if it is the first chapter. I'd recommend using CamelCase or `snake_case` but not spaces. Also, I would recommend deciding if to put the heading = Introduction in these files or to the parent file.

You can include files using the following e.g:

```
#include ./chapters/01-example.typ
```

If your chapter gets too large for one file, create a subdirectory in `chapters` with the chapters name, and create files for the different sections.

1.3 Acronyms

These are implemented provided by this template, not typst itself.

You can use them like:

```
#acro("HPE")
#acro("HPE", pref: true) // To prefer the long version
#acro("JSON", append: "-schema")
```

1. HPE (Hewlett Packard Enterprise)
2. Hewlett Packard Enterprise
3. JSON-schema (JavaScript Object Notation)

1.4 TODO marker

Well, if you are too lazy to write now, just add a todo-marker.

```
#todo([Your #strike[excuse] notes on what change here])
```

For example:

***To-do/WIP:** I could probably write more on how to use this template and Typst in general, if I wouldn't be too lazy...*

And the template makes sure it is well readable in the PDF and not forgotten.

1.5 Once you are done

Add a signature to your thesis. Use the `signature` property. Set it to `hide`, to leave some blank space for you to sign manually, e.g. in a printed version. Or put in the path to your signature image or `svg`.

2 Technical Background

2.1 Spell checking

You can use Typos, but I am too lazy to explain.

3 Summary and Conclusion

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aequale doleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificarique non possit. At etiam Athenis, ut e patre audiebam facete et urbane Stoicos irridente, statua est in quo a nobis philosophia defensa et collaudata est, cum id, quod maxime placeat, facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et.

Bibliography