



**Hewlett Packard  
Enterprise**



**DHBW CAS**  
Duale Hochschule  
Baden-Württemberg  
Center for Advanced Studies

## **Creating a Typst template**

**TX000**

for the

**Master of Science**

from the Course of Studies Computer Science

at the DHBW Center for Advanced Studies

by

**Your name**

10.10.1984

**Time Period**

01.01.2023 - 00.00.2024

**Student ID**

change-me

**Company**

Hewlett Packard Enterprise

# 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...

# Declaration of independence

I hereby declare that this TX000, titled

*Creating a Typst template*

is my own unaided work, unless otherwise indicated in the text or references, or acknowledged below. I also certify that the submitted electronic version corresponds to the printed version if this is required.

Heilbronn, 10.10.1984

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

Your name

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# List of Listings

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# Acronyms

<b>HPE</b>	Hewlett Packard Enterprise
<b>JSON</b>	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 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 yamll-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. You may use the Zotero `zotero-better-bibtex` extension for automatic synchronization. To switch between bibliography formats, change the above to the following:

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

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

By default, this template displays ISBNs in the Bibliography. If no DOI is known, the ISBN is shown instead, and as a fallback the URL if available. This deviates from the normal/usual IEEE citation style. Do disable this behaviour and use the normal IEEE, set `customized_ieee_citations = false`.

## 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: "-schemata")
```

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

## 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 aut officiis debitis aut rerum necessitatibus saepe eveniet, ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum defuturum, quas natura non depravata desiderat. Et quem ad me accedis, saluto: 'chaere,' inquam, 'Tite!' lictores, turma omnis chorusque: 'chaere, Tite!' hinc hostis mi Albucius, hinc inimicus. Sed iure Mucius. Ego autem mirari satis non queo unde hoc sit tam insolens domesticarum rerum fastidium. Non est omnino hic docendi locus; sed ita prorsus existimo, neque eum Torquatum, qui hoc primus cognomen invenerit, aut torquem illum hosti detraxisse, ut aliquam ex eo est consecutus? – Laudem et caritatem, quae sunt vitae sine metu degendae praesidia firmissima. – Filium morte multavit. – Si sine causa, nollem me ab eo delectari, quod ista Platonis, Aristoteli, Theophrasti orationis ornamenta neglexerit. Nam illud quidem physici, credere aliquid esse minimum, quod profecto numquam putavisset, si a Polyaeo, familiari suo, geometrica discere maluisset quam illum etiam ipsum.

# Bibliography