Bachelor thesis

on the topic

My Topic

Faculty of Computer Science

at the Duale Hochschule Baden-Württemberg (DHBW) Stuttgart

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Course: My course

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Erklärung zur Eigenleistung

Ich versichere hiermit, dass ich meine Bachelorarbeit mit dem Thema *My Topic* selbstständig verfasst und keine anderen als die angegebenen Quellen und Hilfsmittel benutzt habe. Ich versichere zudem, dass die eingereichte elektronische Fassung mit der gedruckten Fassung übereinstimmt.

Stuttgart, 01.01.2025

_____

Max Mustermann

Abbreviations

I/O	Input/Output

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List of Tables

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1. Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque 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 distinguique 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.

1.1. Second level

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1.1.1. Third level

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2. Examples

In this chapter some examples for the usage of this typst template are presented.

2.1. Listings

This chapter shows how to insert a listing.

```dart
class ExampleClass {
  final int number = 0;

  ExampleClass();

  void printNumber() async {
    print(number);
  }
}

```

Listing 1: Implementation of the Example Class in the Dart language

Listing 1 shows the usage of Listings in this template.

2.2. Images

This chapter shows how to insert images as figures into this document.

Figure 1: Logo of the DHBW Stuttgart

In Figure 1 above the usage of figures, as well as the logo of the DHBW Stuttgart, is shown.

2.3. Sources and abbreviations

Also, sources are cited like this: [1] or [1].

To use acronyms, use `#acr` or `#acrpl`:

Input/Output (I/O) for singular, I/Os for plural. Input/Output (I/O) for the full term.

See more: https://typst.app/universe/package/acrostiche

3. Formatting hint

See how the link is formatted blue and underlined in the last chapter, not in this one?

https://typst.app/universe/package/acrostiche

This is because the formatting done inside of the chapter files is only valid for this file.

4. Inserting tables and formulas

Here is how to insert a table that shows up in the table of tables:

Unit	Value
$\frac{km}{h}$	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim aeque 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 distinguique 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.
$\frac{m}{s^2}$	9.81

Table 1: This is a table

It will show up in the table of tables. Formulas can be added like this:

$$y = m \cdot x + c \tag{1}$$

Inline equations like $y = m \cdot x + c$ are not listed. They also don't update the numbering. If you want to add a supplement that is shown inside of the list of formulas, insert them like this:

$$x + y \tag{2}$$

The formula is now named "Add two variables" inside of the list. If formulas are added like this, the parameter `block: true` is required. This is because the outline is configured to only show equations with this property (to avoid displaying inline formulas).

Appendix

A. How to use the appendix

Insert an appendix entry with:

```
#appendix-heading([Your heading title here])
// Put your content here, e.g. figure:
#figure(
  image("images/foo")
) <appendixA> // Put your reference label here
```

Listing 2: Typst code preview to insert the heading for an appendix entry

The reference label has to be somewhere inside of the appendix content, since no label can be attached to the headings (limitations by Typst / didn't find a solution yet).

B. Second appendix

Feel free to message me if you have any improvements. To insert code here that does not appear in the list of listings, do this:

```
#include <iostream>

int main() {
  std::cout << "Hello World!";
  return 0;
}
```

And put your code description below. This is because if you use captions here they will be weird like this:

```
def main():
  print("Hello World!")
```

Your Supplement 2: I am a caption

If you add code like this:

```
1 print("1")
2 print("2")
3 print("3")
```

You can see that the line spacing will be applied.

Bibliography

[1] I. Author, “Imaginary Article.” Accessed: Jan. 01, 2025. [Online]. Available: https://dhbw-stuttgart.de/