Fontys › **FOR SOCIETY**

SHOWCASE

FHICT TEMPLATE SHOWCASE

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2023-11-09

VERSION HISTORY

Version	Date	Author	Changes
1.0	2023-11-04	Tom V.	Initial version

SUMMARY

This document will show all the features of the FHICT Template.

TABLE OF CONTENTS

TABLE OF FIGURES

TABLE OF LISTINGS

1. EXAMPLES

1.1. HEADINGS EXAMPLE

1.1.1. LEVEL 3

1.1.1.1. LEVEL 4

1.1.1.1.1. LEVEL 5

1.1.1.1.1.1. level 6
Level 6 and higher are not supported in the custom syntax. They will still work, but will have the default styling.

1.2. TEXT EXAMPLE

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1.3. FIGURES EXAMPLE

1.3.1. IMAGE
This is a figure with an image. This will be shown in the list of figures if enabled.

Figure 1: Figure example

1.3.2. CODE

This is a figure with code. This will be shown in the list of listings if enabled.

```cpp
int main() {
    return 0;
}
```

Listing 1: Code example C++

```rust
fn main() {
    println!("Hello, world!");
}
```

Listing 2: Code example Rust

1.4. CITATIONS

This is a citation [1].

1.5. TODO

DRAFT

This is a DRAFT / TODO box. This box can be used to indicate that (part of) the document is not finished yet.

Keep in mind this box is not breakable, so it will not be split over multiple pages.

1.6. TABLES

There is a helper function called `fhict_table` that can be used to create tables. This function takes two manditory arguments: `columns` and `content`, and two optional arguments: `top_colored` and `left_colored`.

The `columns` argument is a list of column widths.

The `content` argument is a list of rows. Each row is a list of cells. Each cell is a string.

Header 1	Header 2	Header 3	Header 4
Cell 1	Cell 2	Cell 3	Cell 4
Cell 1	Cell 2		Cell 4

The table above is made with the following code:

```Typst
#fhict_table(
  columns: (auto, auto, auto, 1fr),
  content: (
    ("Header 1", "Header 2", "Header 3", "Header 4"),
    ("Cell 1", "Cell 2", "Cell 3", "Cell 4"),
    ("Cell 1", "Cell 2", "", "Cell 4"),
  ),
)
```

Listing 3: Table example

The `top_colored` argument is `true` by default, and will color the top row of the table.

The `left_colored` argument is `false` by default, and will color the left column of the table.

You can combine these two arguments to create a table like this:

Header 1	Header 2	Header 3	Header 4
Cell 1	Cell 2	Cell 3	Cell 4
Cell 1	Cell 2		Cell 4

Or disable both to create a table like this:

Header 1	Header 2	Header 3	Header 4
Cell 1	Cell 2	Cell 3	Cell 4
Cell 1	Cell 2		Cell 4

> **FOR SOCIETY**

You can also configure the color of the table by using the `background_color_heading`, `background_color`, `text_color_heading` and `text_color` arguments.

You can for example make a table like this:

Header 1	Header 2	Header 3	Header 4
Cell 1	Cell 2	Cell 3	Cell 4
Cell 1	Cell 2		Cell 4

Here is the code snippet for this table:

```typst
#fhict_table(
  columns: (auto, auto, auto, 1fr),
  content: (
    ("Header 1", "Header 2", "Header 3", "Header 4"),
    ("Cell 1", "Cell 2", "Cell 3", "Cell 4"),
    ("Cell 1", "Cell 2", "", "Cell 4"),
  ),
  background_color_heading: rgb("4272f5"),
  text_color_heading: rgb("f5a142"),
  background_color: rgb("f54242"),
  text_color: rgb("42f5a1"),
)
```

Listing 4: Table example with custom colors

1.7. TERMS / GLOSSARY

You can define terms and their definitions by using the `#term` helper function.

```typst
#term(
  "FHICT",
  definition: "Fontys Hogeschool ICT",
)
```

Listing 5: Term example

You can then use these terms in the document by using the same `#term` helper function, but without the `definition` argument. This will insert your term into the document, like this:

FHICT

The text will then be clickable, and will take the reader to the glossary.

```typst
#term("FHICT")
```

Listing 6: Term usage example

If no terms are defined, the Glossary will not be shown.

1.8. BOXES

1.8.1. COLORFUL-BOXES

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1.8.2. SHOWYBOX

Red-ish showybox with separated sections!

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2. DOCUMENT OPTIONS

2.1. TITLE AND SUBTITLE

The title and subtitle can be set by using the following options:

```
title: "YOUR TITLE",
subtitle: "YOUR SUBTITLE",
```
Typst

Listing 7: Title and Subtitle Options

2.2. AUTHORS

The authors can be set by using the following option:

```
authors: (
  (
    name: "YOUR NAME",
    email: "YOUR EMAIL",
  ),
  (
    name: "YOUR NAME",
    email: "YOUR EMAIL",
  ),
),
```
Typst

Listing 8: Authors Option

At least one author is required, otherwise the cover page will contain an empty white square.

If any one author does not have an email address, the email addresses will not be shown at all on the cover page.

```
authors: (
  (
    name: "YOUR NAME",
  ),
  (
    name: "YOUR NAME",
    email: "YOUR EMAIL",
  ),
),
```
Typst

Listing 9: Authors Option with Missing Email

You can also chose to not set any authors. In this case, no authors will be shown on the cover page.

> **DRAFT**
>
> It is planned to add support for email / no email for a case by case basis, but this is not yet implemented.

2.3. VERSION HISTORY

The version history can be set by using the following option:

```Typst
version-history: (
  (
    version: "1.0.0",
    date: "2020-01-01",
    author: "Jeroen Van De Lange",
    changes: "Initial version",
  ),
  (
    version: "1.0.1",
    date: "2020-01-02",
    author: "Jeroen Van De Lange",
    changes: "Added a new feature",
  ),
),
```

Listing 10: Version History Option

The version history is optional. If it is not set, the version history will not be shown.

2.4. SUMMARY

It is possible to add a summary to the document. This can be done by setting the following option:

```Typst
summary: [
  YOUR SUMMARY TEXT
],
```

Listing 11: Summary Option

2.5. TABLE OF …

On top of the Table of Contents, the template also supports a Table of Figures and a Table of Listings. These can be enabled by setting the following options:

```
table-of-figures: true,
table-of-listings: true,
```
Typst

Listing 12: Table of Figures Option

You can disable these by settings the options to false, or leaving them out entirely.

```
table-of-figures: false,
```
Typst

Listing 13: TOF / TOL disabled Option

2.6. WATERMARK

The watermark can be set by using the following option:

```
watermark: "YOUR WATERMARK TEXT",
```
Typst

Listing 14: Watermark Option

2.7. BIBLIOGRAPHY

The bibliography can be set by using the following option:

```
bibliography-file: "YOUR BIBLIOGRAPHY FILE",
```
Typst

Listing 15: Bibliography Option

You will need to use a .bib file for this. The template will automatically generate the bibliography based on the citations in the document.

2.8. CITATION STYLE

The citation style can be set by using the following option:

```
citation-style: "YOUR CITATION STYLE",
```
Typst

Listing 16: Citation Style Option

The standard style is `ieee`.

2.9. DISABLING TABLE OF CONTENTS

For certain extremely small documents, it might be desirable to disable the Table of Contents. This can be done by setting the following option:

```
disable-toc: true,
```
Typst

Listing 17: Table of Contents Option

For normal documents, this option should not be used.

3. DEFAULT INCLUDED PACKAGES

3.1. CODLY

This package makes code blocks look nicer.

For example, a C++ code block will look like this:

```cpp
int main() {
    return 0;
}
```
C++

Listing 18: Codly C++ Example

Instead of something like this:

```
int main() {
    return 0;
}
```
Listing 19: Raw C++ Example

3.2. COLORFUL-BOXES

This package adds support for colored boxes.

Examples can be seen here in the Boxes section.

3.3. SHOWYBOX

This package adds support for colored boxes.

Examples can be seen here in the Boxes section.

REFERENCES

[1] TomVer99, "FHICT typst template". [Online]. Available: https://github.com/TomVer99/
      FHICT-typst-template

GLOSSARY

Term	Definition
FHICT	Fontys Hogeschool ICT
WIP	Work In Progress