



› FOR SOCIETY

SHOWCASE

FHICT TEMPLATE SHOWCASE

Tom V.

2023-11-10

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

1. Examples	1
1.1. Headings Example	1
1.1.1. level 3	1
1.2. Text example	1
1.3. Figures example	1
1.3.1. Image	1
1.3.2. Code	2
1.4. Citations	2
1.5. Todo	2
1.6. Tables	3
1.7. Terms / Glossary	4
1.8. Boxes	5
1.8.1. colorful-boxes	5
1.8.2. showybox	5
2. Document options	6
2.1. Title and Subtitle	6
2.2. Authors	6
2.3. Version History	7
2.4. Summary	7
2.5. Table of	8
2.6. Watermark	8
2.7. Bibliography	8
2.8. Citation style	8
2.9. Disabling Table of Contents	8
2.10. Disabling Chapter Numbering	9
3. Default Included Packages	10
3.1. Codly	10
3.2. colorful-boxes	10
3.3. showybox	10
Glossary	11
References	12
Glossary	13

TABLE OF FIGURES

Figure 1: Figure example	1
--------------------------------	---

TABLE OF LISTINGS

Listing 1: Code example C++	2
Listing 2: Code example Rust	2
Listing 3: Table example	3
Listing 4: Table example with custom colors	4
Listing 5: Term example	4
Listing 6: Term usage example	4
Listing 7: Title and Subtitle Options	6
Listing 8: Authors Option	6
Listing 9: Authors Option with Missing Email	6
Listing 10: Version History Option	7
Listing 11: Summary Option	7
Listing 12: Table of Figures Option	8
Listing 13: TOF / TOL disabled Option	8
Listing 14: Watermark Option	8
Listing 15: Bibliography Option	8
Listing 16: Citation Style Option	8
Listing 17: Table of Contents Option	8
Listing 18: Chapter Numbering Option	9
Listing 19: Codly C++ Example	10
Listing 20: Raw C++ Example	10

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

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Quod idem licet transferre in voluptatem, ut postea variari voluptas distinguere possit, augeri amplificare non possit. At etiam Athenis, ut e patre audiebam facere et urbane Stoicos irridere, 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.

1.3. 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.

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

C++

Listing 1: Code example C++

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

Rust

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 mandatory 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:

```
#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

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:

```
#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.

```
#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.

```
#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

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat.

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat.

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat.

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat.

1.8.2. SHOWYBOX

Red-ish showybox with separated sections!

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat voluptatem. Ut enim aequaleamus.

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:

```
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:

```
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.

2.10. DISABLING CHAPTER NUMBERING

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

```
disable-chapter-numbering: true,
```

Typst

Listing 18: Chapter Numbering Option

3. DEFAULT INCLUDED PACKAGES

3.1. CODLY

This package makes code blocks look nicer.

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

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



Listing 19: Codly C++ Example

Instead of something like this:

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

Listing 20: 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.

Test line 1.1 FHICT (*Fontys Hogeschool ICT*)

Test line 1.1 W.I.P. (*Work In Progress*)

Test line 2.1 FHICT

Test line 2.1 W.I.P.

GLOSSARY

FHICT - Fontys Hogeschool ICT : Fontys University of Applied Sciences 10

W.I.P. - Work In Progress . 10

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