

# Unofficial FHICT Template

An unofficial template for FHICT document generation.

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<https://github.com/TomVer99/FHICT-typst-template>

This template allows the user to easily generate documents in the style of the Fontys Hogeschool ICT. The template provides a set style and layout for the document. It also provides a set of commands and macros to help the user generate content.

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# Part I.

## Usage

### I.1. Pre Requisites

To use this template, you need to have the `roboto` font installed.

### I.2. Importing the template

To use this template, you first need to download the `template.zip` attached to the release. Extract the contents of the zip file to a folder on your computer. Afterwards, you can include this template in your file by adding the following line at the top of your file:

```
#import "some/path/fhict-template.typ": *
```

Your path may vary depending on the location of the template file. In the future it may also be possible to use:

```
#import "@preview/fhict-template:1.5.1": *
```

In this case you won't need to download the template file.

### I.3. First Document

To create a document using this template, you can use the `fhict-doc` command.

This command has a lot of arguments to customize the document. Here is an example of a simple document:

```
#show: fhict-doc.with(  
  title: "My Document",  
  subtitle: "A simple document",  
  authors: (  
    (name: "TomVer99"),  
  ),  
)[  
  = Introduction  
  This is a simple document.  
]
```

## Part II.

### Available commands

```
#fhict-doc(  
  <title>,  
  <subtitle>,  
  <subtitle-lines>,  
  <authors>,  
  <version-history>,  
  <glossary-terms>,  
  <glossary-front>,  
  <bibliography-file>,  
  <citation-style>,  
  <toc-depth>,  
  <disable-toc>,  
  <disable-chapter-numbering>,  
  <pre-toc>,  
  <table-of-figures>,  
  <table-of-listings>,  
  <appendix>,  
  <watermark>,  
  <censored>,  
  <print-extra-white-page>,  
  <secondary-organisation-color>,  
  <secondary-organisation-logo>,  
  <secondary-organisation-logo-height>,  
  <enable-index>,  
  <index-columns>  
)[<body>]
```

Renders a document in the style of the Fontys Hogeschool ICT.

— Argument —

<title>: "Document Title"

str

The title of the document.

— Argument —

<subtitle>: "Document Subtitle"

str

The subtitle of the document.

— Argument —

<subtitle-lines>: 1

int

The number of lines the subtitle should span.

Argument

<authors>: **none**

dictionary

The author(s) of the document. Has the following structure:

```
(  
  name: "",  
  email: "",  
)
```

Name can be a string or complex type. Email must be a string. Email is optional.

If the name attribute is a complex type, it should have the following structure:

```
name: (content: [Tom #sensitive("V")], string: "Tom V."),
```

Appart from using this complex type for sensitive information, there is not much use for it.

Argument

<version-history>: **none**

dictionary

The version history of the document. Has the following structure:

```
(  
  (  
    version: "",  
    date: "",  
    author: "",  
    changes: "",  
  ),  
  ...  
)
```

All fields can be strings or content.

Argument

<glossary-terms>: **none**

dictionary

A dictionary of glossary terms. Has the following structure:

```
(  
  (  
    key: "",  
    short: [],  
    long: [],  
    desc: [],  
  ),  
  ...  
)
```

Where all options except key are optional.

Argument

<glossary-front>: **false**

bool

Whether to show the glossary at the front of the document.

— Argument —

`<bibliography-file>`: `none`

bibliography

The bibliography element to include in the document.

`#bibliography`("your file path")

— Argument —

`<citation-style>`: `"ieee"`

str

The citation style to use for the bibliography.

— Argument —

`<toc-depth>`: `3`

int

The depth of the table of contents.

— Argument —

`<disable-toc>`: `false`

bool

Whether to disable the table of contents.

— Argument —

`<disable-chapter-numbering>`: `false`

bool

Whether to disable chapter numbering.

— Argument —

`<pre-toc>`: `none`

content

Content to show before the table of contents.

— Argument —

`<table-of-figures>`: `false`

bool

Whether to show a table of figures.

— Argument —

`<table-of-listings>`: `false`

bool

Whether to show a table of listings.

— Argument —

`<appendix>`: `none`

content

Content to show in the appendix.

— Argument —

`<watermark>`: `none`

str

The watermark to show on the document.

— Argument —

`<censored>`: 0

int

Whether to show a censored watermark on the document. 1 for censorship, 0 for no censorship.

— Argument —

`<print-extra-white-page>`: false

bool

Whether to make sure the beginning of sections start on the 'right hand' page. This does not affect chapter headings.

— Argument —

`<secondary-organisation-color>`: none

color

The color of the secondary organisation.

— Argument —

`<secondary-organisation-logo>`: none

read

The logo of the secondary organisation.

`#read("your file path")`

— Argument —

`<secondary-organisation-logo-height>`: "6%"

size

The height of the secondary organisation logo.

— Argument —

`<enable-index>`: false

bool

Whether to enable the index.

— Argument —

`<index-columns>`: 2

int

The number of columns in the index.

— Argument —

`<body>`

content

The content of the document.

```
#fhict-table(
  <columns>,
  <content>,
  <background-color-heading>,
  <background-color>,
  <text-color-heading>,
  <text-color>,
  <top-colored>,
  <left-colored>
)
```

Renders a table in the style of the Fontys Hogeschool ICT.

Argument

<columns>: ()

array

The spacing of the columns.

Argument

<content>: ()

array

A 2D array of the content of the table.

```
(
  (header1, header2, ...),
  (row1, row2, ...),
  ...
)
```

Argument

<background-color-heading>: rgb("#663366")

color

The background color of the heading row/column.

Argument

<background-color>: luma(100%)

color

The background color of the other rows/columns.

Argument

<text-color-heading>: luma(100%)

color

The text color of the heading row/column.

Argument

<text-color>: luma(0%)

color

The text color of the other rows/columns.

Argument

<top-colored>: true

bool

Whether the top row should be colored.

— Argument —

⟨left-colored⟩: *false*

bool

Whether the left column should be colored.



#**sensitive**(⟨textl⟩)

Renders a sensitive text block.

— Argument —

⟨text⟩

str

The text to render.

#**hlink**(⟨url⟩, ⟨content⟩)

Renders a hyperlink.

— Argument —

⟨url⟩

str

The URL to link to.

— Argument —

⟨content⟩: **none**

str

The text that replaces the URL as the hyperlink.

#**text-box**(⟨background-color⟩, ⟨stroke-color⟩, ⟨text-color⟩)[⟨content⟩]

Renders a text box.

— Argument —

⟨background-color⟩: **luma(94.12%)**

color

The background color of the text box.

— Argument —

⟨stroke-color⟩: **luma(0%)**

color

The stroke color of the text box.

— Argument —

⟨text-color⟩: **luma(0%)**

color

The text color of the text box.

— Argument —

⟨content⟩

content

The content of the text box.

#lined-box(⟨title⟩, ⟨body⟩, ⟨line-color⟩)

Renders a box with a line on the left side.

— Argument —

⟨title⟩

str

The title of the box.

— Argument —

⟨body⟩

content

The content of the box.

— Argument —

⟨line-color⟩: rgb("#ff4136")

color

The color of the line.

## Part III.

### 3rd Party Libraries

This template uses the following 3rd party libraries:

- codly:0.2.0
- colorful-boxes:1.2.0
- showybox:2.0.1
- glossarium:0.2.6
- in-dexter:0.3.0

#### III.1. Codly

Library can be found at the [Typst Universe page](#).

This library improves the code rendering in the document. There are no additional commands to use this library.

#### III.2. Colorful Boxes

Library can be found at the [Typst Universe page](#).

This library provides a couple of commands to render colorful boxes in the document.

More information can be found on the Typst Universe page.

#### III.3. Showybox

Library can be found at the [Typst Universe page](#).

This library provides a couple of commands to render colorful boxes in the document.

More information can be found on the Typst Universe page.

## III.4. Glossarium

Library can be found at the [Typst Universe page](#).

This library provides functionality to manage and render a glossary in the document. There are two commands of interest in this library: `gls` and `glspl`.

The following documentation will assume you use the terms list as described in the `fhict-doc` command in Section II.

`#gls()[(body)]`

Inserts a glossary term.

Argument	
<code>(body)</code>	str
The term to insert.	

`#glspl()[(body)]`

Inserts a glossary term in plural form.

Argument	
<code>(body)</code>	str
The term to insert.	

You can also simple use `@term` to insert a term in the document.

## III.5. In-Dexter

Library can be found at the [Typst Universe page](#).

This library provides functionality to manage and render an index in the document. There is one command of interest in this library: `index`.

`#index()[(title)]`

Inserts an index location in the document. It does not render anything in the document itself.

Argument	
<code>(title)</code>	str
The title of the index.	

## Part IV.

### Issues

If you have any issues with this template, you can report them on the GitHub repository. Create a new issue and describe the problem you are experiencing. Also include the version of the template you are using, and your document if possible. If you have a solution to the problem, you can also create a pull request.

## Part V.

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