

Documentation of the Template

Alexandre Bry

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1. Template

- `init()`
- `cover-container()`
- `generic-container()`
- `pre-content-container()`
- `main-content-container()`
- `post-content-container()`
- `appendix-container()`

init

Main function of the template that defines the overall style. This function is designed to be used in the main scope of the document, and to be called using `#show: init.with(...)`.

Parameters

```
init(  
  body: content,  
  title: str content,  
  authors-names: array,  
  authors-data: dictionary,  
  text-font: str array,  
  math-font: str array,  
  headings-font: str array none,  
  font-size-multiplier: float,  
  base-font-size: length,  
  page-numbering: str function,  
  _documentation: bool  
) -> content
```

body content

The body of the document.

title str or content

The title of the document.

Default: ""

authors-names array

The names of the authors.

Default: ()

authors-data dictionary

The data of the authors. Can contain any number for (key, value) pairs. The key is a string and the value is an array of strings. The key is used as a label for the piece of information and the values correspond to the authors.

Default: (:)

text-font str or array

The font to use for the text.

Default: ("Source Serif 4", "Libertinus Serif")

math-font str or array

The font to use for the math.

Default: ("STIX Two Math", "New Computer Modern Math")

headings-font str or array or none

The font to use for the text in titles. If none, the text font will be used.

Default: none

font-size-multiplier float

The font size multiplier to use for the text. This is used to scale the font size of the document.

Default: 1.0

base-font-size length

The base font size to use for the text.

Default: 11pt

page-numbering str or function

The default page numbering style to use.

Default: "1"

_documentation bool

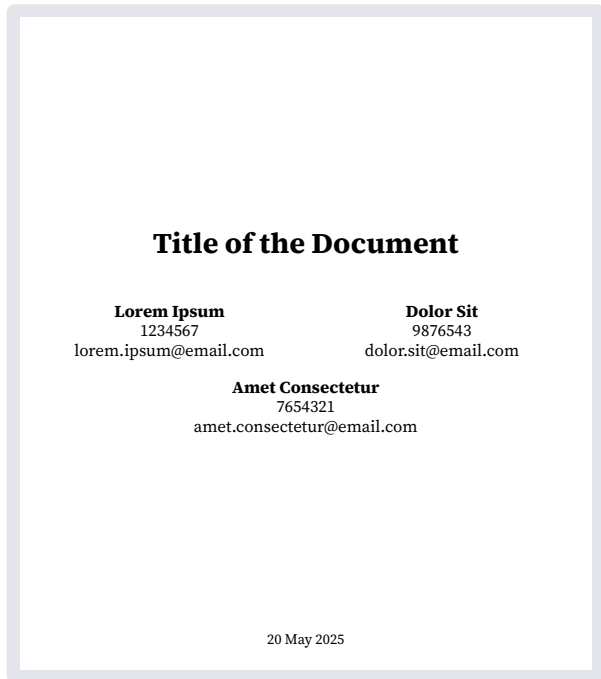
Special argument for the documentation.

Default: false

cover-container

Cover page container. To use in combination with a cover page. Removes the header and footer of the page.

```
#[
  #show: cover-
  container.with(_documentation: true)
  #cover.cover(
    title: "Title of the Document",
    authors-names: ("Lorem Ipsum", "Dolor
  Sit", "Amet Consectetur"),
    authors-data: (
      "Student IDs": ("1234567",
    "9876543", "7654321"),
      "Email": (
        "lorem.ipsum@email.com",
        "dolor.sit@email.com",
        "amet.consectetur@email.com",
      ),
    ),
    alignment: center,
    date: datetime.today(),
    _documentation: true,
  )
]
```



Parameters

```
cover-container(
  body: content,
  full-page: bool,
  _documentation: bool
) -> content
```

body `content`

The body of the document.

full-page `bool`

Whether the cover page is a full page or not. If true, the page will be set to have no header or footer.

Default: `true`

_documentation `bool`

Special argument for the documentation.

Default: `false`

generic-container

Generic container for a subset of the document. This function is designed to define the style of the document locally, using a show rule like this:

```
#[
  #show: generic-container.with(
    new-page: true,
    page-numbering: "1"
  )
  #include "../content/content.typ"
]
```

Parameters

```
generic-container(
  body: content,
  new-page: bool,
  h1-new-page: bool,
  reset-page-numbering: bool,
  page-numbering: none str function,
  heading-numbering: none str function array,
  heading-supplement: none str content array
) -> content
```

body `content`

The body of the document.

new-page `bool`

Whether to start a new page at the beginning of the container.

Default: `true`

h1-new-page `bool`

Whether to start a new page before each level 1 heading.

Default: `true`

reset-page-numbering `bool`

Whether to reset the page numbering at the beginning of the container.

Default: `true`

page-numbering `none` or `str` or `function`

The page numbering style to use.

Default: `none`

heading-numbering `none` or `str` or `function` or `array`

The heading numbering style to use. If it is an array, it must have 6 elements (one for each heading level). Each element of the array must be one of the other allowed types.

Default: `none`

heading-supplement `none` or `str` or `content` or `array`

The supplement to use for the headings. If it is an array, it must have 6 elements (one for each heading level). Each element of the array must be one of the other allowed types.

Default: `"Section"`

pre-content-container

Container for the pre-content of the document. Pre-content is defined as the content after the cover page and before the main content (usually containing the preface, acknowledgements, abstract, table of contents, etc.). This function is designed to define the style of the document locally, using a show rule, like in *generic-container*.

Parameters

```
pre-content-container(  
  body: content,  
  new-page: bool,  
  h1-new-page: bool,  
  reset-page-numbering: bool,  
  page-numbering: none str function,  
  heading-numbering: none str function array,  
  heading-supplement: none str content array  
) -> content
```

body `content`

Refer to the *body argument in generic-container* for more details.

new-page `bool`

Refer to the *new-page argument in generic-container* for more details.

Default: `true`

h1-new-page `bool`

Refer to the *h1-new-page argument in generic-container* for more details.

Default: `true`

reset-page-numbering `bool`

Refer to the *[reset-page-numbering argument in generic-container](#)* for more details.

Default: `true`

page-numbering `none` or `str` or `function`

Refer to the *[page-numbering argument in generic-container](#)* for more details.

Default: `"i"`

heading-numbering `none` or `str` or `function` or `array`

Refer to the *[heading-numbering argument in generic-container](#)* for more details.

Default: `none`

heading-supplement `none` or `str` or `content` or `array`

Refer to the *[heading-supplement argument in generic-container](#)* for more details.

Default: `"Section"`

main-content-container

Container for the main content of the document. Main content is defined as the core content, usually containing the chapters, sections, and subsections. This function is designed to define the style of the document locally, using a show rule, like in *[generic-container](#)*.

Parameters

```
main-content-container(  
  body: content,  
  new-page: bool,  
  h1-new-page: bool,  
  reset-page-numbering: bool,  
  page-numbering: none str function,  
  heading-numbering: none str function array,  
  heading-supplement: none str content array  
) -> content
```

body `content`

Refer to the *[body argument in generic-container](#)* for more details.

new-page `bool`

Refer to the *new-page argument in generic-container* for more details.

Default: `true`

h1-new-page `bool`

Refer to the *h1-new-page argument in generic-container* for more details.

Default: `true`

reset-page-numbering `bool`

Refer to the *reset-page-numbering argument in generic-container* for more details.

Default: `true`

page-numbering `none` or `str` or `function`

Refer to the *page-numbering argument in generic-container* for more details.

Default: `"1"`

heading-numbering `none` or `str` or `function` or `array`

Refer to the *heading-numbering argument in generic-container* for more details.

Default: (`"1."`, `"1.a."`, `"1.a.i."`, `none`, `none`, `none`)

heading-supplement `none` or `str` or `content` or `array`

Refer to the *heading-supplement argument in generic-container* for more details.

Default: (`"Chapter"`, `"Section"`, `"Subsection"`, `none`, `none`, `none`)

post-content-container

Container for the post-content of the document. Post-content is defined as the content after the main content and before the appendix (usually containing the bibliography, index, etc.). This function is designed to define the style of the document locally, using a show rule, like in *generic-container*.

Parameters

```
post-content-container(  
  body: content,  
  new-page: bool,  
  h1-new-page: bool,  
  reset-page-numbering: bool,  
  page-numbering: none | str | function,  
  heading-numbering: none | str | function | array,  
  heading-supplement: none | str | content | array  
) -> content
```

body content

Refer to the *body argument in generic-container* for more details.

new-page bool

Refer to the *new-page argument in generic-container* for more details.

Default: true

h1-new-page bool

Refer to the *h1-new-page argument in generic-container* for more details.

Default: true

reset-page-numbering bool

Refer to the *reset-page-numbering argument in generic-container* for more details.

Default: false

page-numbering none or str or function

Refer to the *page-numbering argument in generic-container* for more details.

Default: "1"

heading-numbering none or str or function or array

Refer to the *heading-numbering argument in generic-container* for more details.

Default: none

heading-supplement none or str or content or array

Refer to the *heading-supplement argument in generic-container* for more details.

Default: "Section"

appendix-container

Container for the appendix of the document. Appendix is defined as a separate part at the end of the document that gives extra information. This function is designed to define the style of the document locally, using a show rule, like in *generic-container*.

Parameters

```
appendix-container(  
  body: content,  
  new-page: bool,  
  h1-new-page: bool,  
  reset-page-numbering: bool,  
  page-numbering: none str function,  
  heading-numbering: none str function array,  
  heading-supplement: none str content array  
) -> content
```

body content

Refer to the *body argument in generic-container* for more details.

new-page bool

Refer to the *new-page argument in generic-container* for more details.

Default: true

h1-new-page bool

Refer to the *h1-new-page argument in generic-container* for more details.

Default: true

reset-page-numbering bool

Refer to the *reset-page-numbering argument in generic-container* for more details.

Default: true

page-numbering none or str or function

Refer to the *page-numbering argument in generic-container* for more details.

Default: numby.numby("A-**{1:1}**")

heading-numbering none or str or function or array

Refer to the *heading-numbering argument in generic-container* for more details.

Default: numby.numby("Appendix **{1:A}**", "**{1:A}**.**{2:1}**.", "**{1:A}**.**{2:1}**.**{3:a}**.", none, none, none)

heading-supplement `none` or `str` or `content` or array

Refer to the *heading-supplement argument in generic-container* for more details.

Default: (`none`, `"Appendix"`, `"Appendix"`, `none`, `none`, `none`)

2. Cover Page

- `cover()`

cover

Cover page template. Supports full page and non-full page formats. There are two versions of the cover page depending on the desired alignment.

```
#[
  #show: cover-
  container.with(_documentation: true)
  #for alignment in (left, center, right)
  {
    cover.cover(
      title: "Title of the Document",
      authors-names: ("Lorem Ipsum",
        "Dolor Sit", "Amet Consectetur"),
      authors-data: (
        "Student IDs": ("1234567",
          "9876543", "7654321"),
        "Email": (
          "lorem.ipsum@email.com",
          "dolor.sit@email.com",
          "amet.consectetur@email.com",
        ),
      ),
      alignment: alignment,
      date: datetime.today(),
      _documentation: true,
    )
  }
]
```

Title of the Document

Name	Student IDs	Email
Lorem Ipsum	1234567	lorem.ipsum@email.com
Dolor Sit	9876543	dolor.sit@email.com
Amet Consectetur	7654321	amet.consectetur@email.com

Title of the Document

Lorem Ipsum		Dolor Sit
1234567		9876543
lorem.ipsum@email.com		dolor.sit@email.com

Amet Consectetur	
7654321	
amet.consectetur@email.com	

Title of the Document

Name	Student IDs	Email
Lorem Ipsum	1234567	lorem.ipsum@email.com
Dolor Sit	9876543	dolor.sit@email.com
Amet Consectetur	7654321	amet.consectetur@email.com

Parameters

```
cover(
  title: str content,
  authors-names: str array,
  authors-data: dictionary,
  date: datetime,
  full-page: bool,
  alignment: alignment,
  _documentation: bool
) -> content
```

title str or content

The title of the document.

Default: ""

authors-names `str` or `array`

The names of the authors.

Default: `()`

authors-data `dictionary`

The data of the authors. Can contain any number for (key, value) pairs. The key is a string and the value is an array of strings. The key is used as a label for the piece of information and the values correspond to the authors.

Default: `(:)`

date `datetime`

The date to be displayed on the cover page. If not provided, the current date is used.

Default: `datetime.today()`

full-page `bool`

Whether to use the full page format or not. This only changes the vertical layout of the content.

Default: `true`

alignment `alignment`

The alignment of the content on the page. Can be left, center, right, start, or end.

Default: `left`

_documentation `bool`

Special argument for the documentation.

Default: `false`

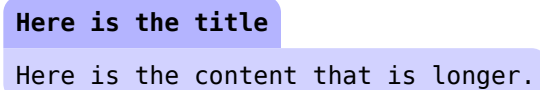
3. Styled Blocks

- styled-block()
- block-todo()
- block-discussion()

styled-block

Create a styled block with a title and content.

```
#styled-block()[Here is the title][Here is the content that is longer.]
```



```
Here is the title  
Here is the content that is longer.
```

Parameters

```
styled-block(  
    title: str content none ,  
    content: str content none ,  
    block-type: str content none ,  
    fill-title: color ,  
    fill-content: color ,  
    inset: length dictionary ,  
    radius: length ,  
    render: bool  
) -> content
```

title str or content or none

The title of the block.

content str or content or none

The content of the block.

block-type str or content or none

The type of the block (e.g., “TODO”, “Discussion”), displayed below the title.

Default: none

fill-title color

The colour of the title background.

Default: `rgb(180, 180, 255)`

fill-content `color`

The colour of the content background.

Default: `rgb(210, 210, 255)`

inset `length` or `dictionary`

The inset of the title and content blocks.

Default: (x: `6pt`, y: `8pt`)

radius `length`

The radius of the title and content blocks.

Default: `8pt`

render `bool`

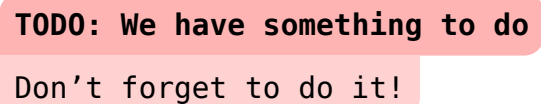
Whether to render the block.

Default: `true`

block-todo

Create a styled block for TODOs.

```
#block-todo()[We have something to do]
[Don't forget to do it!]
```



TODO: We have something to do
Don't forget to do it!

Parameters

```
block-todo(  
  title: str content none,  
  content: str content none,  
  render: bool  
) -> content
```

title `str` or `content` or `none`

The title of the block.

content `str` or `content` or `none`

The content of the block.

render `bool`

Whether to render the block.

Default: `true`

block-discussion

Create a styled block for discussions.

```
#block-discussion()[Add more
explanations?][- Author A: Maybe it would
be better...
- Author B: Yes, but I don't know...
- Author A: What about...]
```

Discussion: Add more explanations?

- Author A: Maybe it would be better...
- Author B: Yes, but I don't know...
- Author A: What about...

Parameters

```
block-discussion(
  title: str content none,
  content: str content none,
  render: bool
) -> content
```

title `str` or `content` or `none`

The title of the block.

content `str` or `content` or `none`

The content of the block.

render `bool`

Whether to render the block.

Default: `true`