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***THIRTYSOMETHING***

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# **TSTemplate**

Configurable template  
for  $\text{\LaTeX}$  articles/books

ThirtySomething

25.06.2022

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## Change history

Version	Date	Section	Description	Name
1.0.0	30.03.2022	–	• Initial revision	ThirtySomething
1.0.1	30.03.2022	–	• Fix usage of title in header.	ThirtySomething
1.0.2	30.03.2022	–	• Translate last german sentence.	ThirtySomething
1.0.3	01.04.2022	–	• Translate german parts to english. • Introduction of meta data for template file names.	ThirtySomething
1.0.4	02.04.2022	–	• Generic name for meta data file	ThirtySomething
1.0.5	15.04.2022	–	• FIX: Replace TSMeta.tex with TSTemplate-Meta.tex in TSContent.tex • NEW: Added commands for arrows • FIX: All captions in footnotesize	ThirtySomething
1.0.6	20.04.2022	–	• NEW: Added commands/template for appendices	ThirtySomething
1.0.7	28.04.2022	–	• NEW: Added tsFontStrikethrough	ThirtySomething
1.0.8	30.04.2022	–	• NEW: Introduce switches for features in meta file • CHG: Rename TSTitle to TSTitlePage • CHG: Rename commands, use tsText... instead of tsFont... • NEW: Add subsection naming conventions	ThirtySomething
1.0.9	01.05.2022	–	• NEW: Add template for book also	ThirtySomething
1.0.10	03.05.2022	–	• NEW: Images with overlaid text	ThirtySomething
1.0.11	06.05.2022	–	• NEW: Merge article and book templates, use switch instead • NEW: Rename files to support nested file feature of VSCode	ThirtySomething
1.0.12	03.06.2022	–	• FIX: Use linewidth instead of textwidth	ThirtySomething
1.0.13	16.06.2022	–	• FIX: Use logo on title page only if configured • NEW: Use variable in meta file for content language definition • NEW: Use variable in meta file for page label • NEW: Command for a frac • NEW: Command for a diameter • NEW: Add index and trigger variable • NEW: Add references and trigger variable • NEW: Command for a citation	ThirtySomething
1.0.14	17.06.2022	–	• FIX: Dotted lines in table of content • FIX: Oversized URLs in bibliography with word wrap • FIX: Image with frame and overlay now with correct margins • NEW: Use variable in meta file to influence indentation • UPD: Order commands in internal und public commands • FIX: Numeric footnotes on tables • NEW: Use URL when no logo is used	ThirtySomething
1.0.15	25.06.2022	–	• NEW: For books empty page after title page • UPD: Change order of book parts	ThirtySomething

**Table 1:** Change history

# 1 License information

This template is subject to the terms of the [MIT license](#):

MIT License

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**Figure 1:** MIT License

## 2 Introduction

This is a template for use with  $\text{\LaTeX}$ . An attempt has been made to make the usage of this template as simple as possible for the user.

### 2.1 Naming conventions

For this document some naming conventions are used.

- Text in `monospace` is either a command or  $\text{\LaTeX}$  source code.
- Text in *italic* are usually filenames.

### 3 Template

The template is divided into several files, which are listed here below:

File	Meaning
<i>LICENSE</i>	MIT license file.
<i>README.md</i>	Information about the template.
<i>TSTemplate.pdf</i>	The result as a PDF file.
<i>TSTemplate.tex</i>	The envelope document.
<i>TSTemplate-Appendix.tex</i>	The appendices of the document.
<i>TSTemplate-Commands.tex</i>	The common predefined commands.
<i>TSTemplate-Content.tex</i>	The content of the document.
<i>TSTemplate-CustomCommands.tex</i>	The document specific commands.
<i>TSTemplate-Glossary.tex</i>	The glossary of the document.
<i>TSTemplate-History.tex</i>	Document history.
<i>TSTemplate-Hyphenation.tex</i>	Document-specific hyphenation.
<i>TSTemplate-Logo.png</i>	The logo used.
<i>TSTemplate-Meta.tex</i>	The metadata of the document.
<i>TSTemplate-TitlePage.tex</i>	The title page of the document.

**Table 2:** The files of the template

Some commands and formatting have been predefined for the template. They all have in common that they start with a `\ts...`. This serves to distinguish them from the commands otherwise used in  $\text{\LaTeX}$ . The available commands are explained in the [Commands](#) chapter.

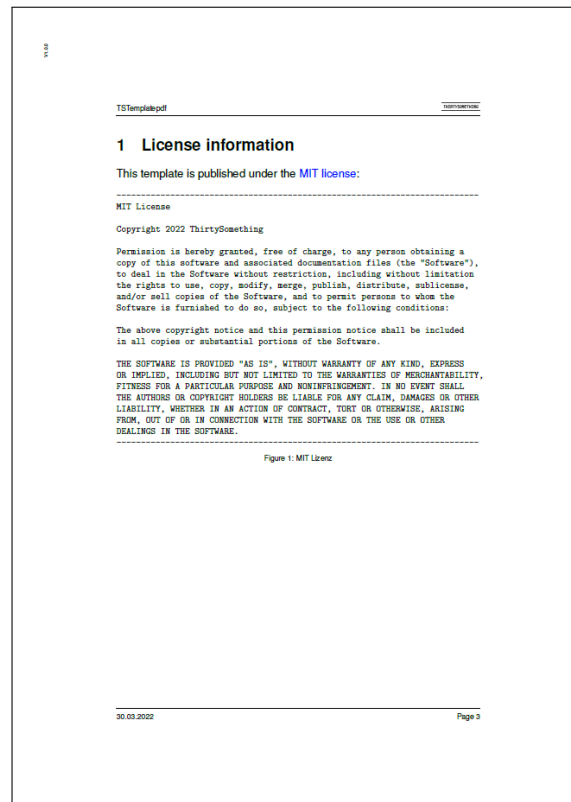
**NOTE:** The file containing the meta data is depending on the name of the envelope document *TSTemplate.tex*. The rule is just simple: The name will be *TSTemplate* followed by *-Meta.tex*. If you name your document *My-Document.tex* then the filename of the metadata file will be *MyDocument-Meta.tex*.

## 4 Usage

As already described, the use of the template should be simple. So the user copies the template, that is, the entire directory with all files and sub-directories.

Normally the user adjusts the metadata (file *TSTemplate-Meta.tex*, see [Metadata I](#) and [Metadata II](#)) and the content in the file *TSTemplate-Content.tex* according to his needs. Everything else is managed by the template.

It is recommended to rename the main template file *TSTemplate.tex* into a more descriptive name.



**Figure 2:** Document page

### 4.1 Metadata I

For each document there are some metadata. This means the following definitions:



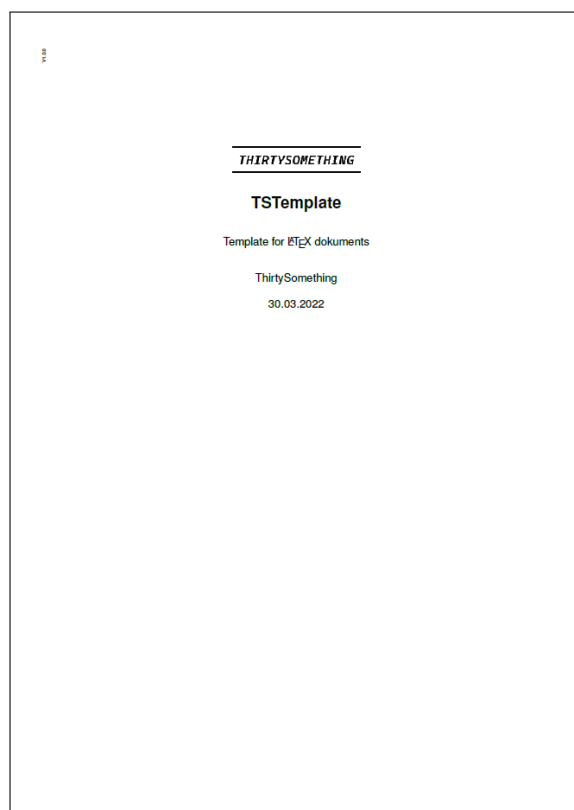
Metadefinition	Meaning
\tsAuthor{}	The author of the document.
\tsSubject{}	The subject of the document.
\tsTitle{}	The title of the document.
\tsURL{}	The url of the author.
\tsVersionMajor{}	The major version of the document. <sup>1</sup>
\tsVersionMinor{}	The minor version of the document. <sup>1</sup>
\tsVersionPatch{}	The patch number of the document. <sup>1</sup>
\tsVersionString{}	Complete version string. <sup>1</sup>

**Table 3:** Metadata I

These metadata are referenced in various places in the template. For example, they are used in the title page of the document. The version number is based on semantic versioning<sup>1</sup>.

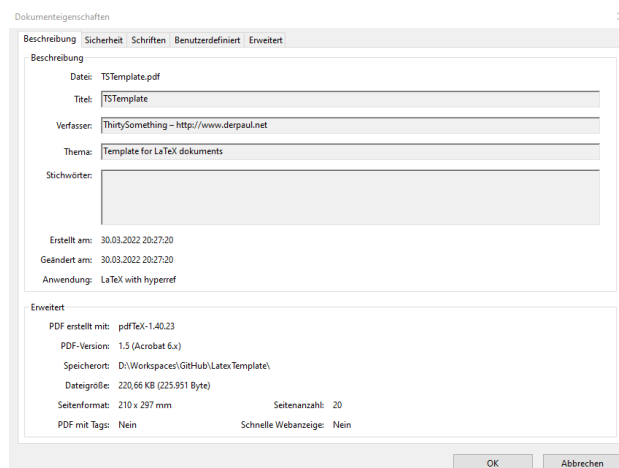
---

<sup>1</sup>See [Semantic Versioning](#) for more details.



**Figure 3:** Title page

They are also used to set metadata in the generated PDF:



**Figure 4:** PDF properties

## 4.2 Metadata II

For further control, there are variables that can be used to enable/disable which features are active for the document. These variables can be found in the file *TSTemplate-Meta.tex*. There are:

Metadefinition	Beschreibung
<pre>% Definition of document type, either article or book \newcommand{\tsDocumentType}[1]{article} % \newcommand{\tsDocumentType}[1]{book}</pre>	Toggle between one page layout (article) and two page layout (book)
<pre>% Definition of document language \newcommand{\tsDocumentLanguage}[1]{american} % \newcommand{\tsDocumentLanguage}[1]{ngerman}</pre>	Setup of used language of document
<pre>% Definition of page label \newcommand{\tsDocumentPage}[1]{Page} % \newcommand{\tsDocumentPage}[1]{Seite}</pre>	Setup of used label in front of the page number
<pre>% Switch to enable appendix \newif\ifUseTsAppendix % \UseTsAppendixtrue    % Disable appendix \UseTsAppendixtrue     % Enable appendix</pre>	Toggle appendix
<pre>% Switch to enable bibliography and cites \newif\ifUseTsCitation % \UseTsCitationtrue    % Disable references \UseTsCitationtrue     % Enable references</pre>	Toggle references
<pre>% Switch to enable glossary \newif\ifUseTsGlossary % \UseTsGlossarytrue    % Disable glossary \UseTsGlossarytrue     % Enable glossary</pre>	Toggle glossary
<pre>% Switch to enable index \newif\ifUseTsIndex % \UseTsIndextrue      % Disable index \UseTsIndextrue       % Enable index</pre>	Toggle index
<pre>% Switch to enable history \newif\ifUseTsHistory % \UseTsHistorytrue    % Disable history \UseTsHistorytrue     % Enable history</pre>	Toggle history
<pre>% Switch to enable hyphenation \newif\ifUseTsHyphenation % \UseTsHyphenationtrue % Disable hyphenation \UseTsHyphenationtrue  % Enable hyphenation</pre>	Toggle hyphenation
<pre>% Switch to enable list of figures \newif\ifUseTsLOF % \UseTsLOFtrue        % Disable list of figures \UseTsLOFtrue         % Enable list of figures</pre>	Toggle list of figures

<pre>% Switch to enable logo \newif\ifUseTsLogo % \UseTsLogotrue      % Disable logo \UseTsLogotrue      % Enable logo</pre>	Toggle logo
<pre>% Switch to enable list of tables \newif\ifUseTsLOT % \UseTsLOTtrue      % Disable list of tables \UseTsLOTtrue      % Enable list of tables</pre>	Toggle list of tables
<pre>% Switch to disable indentation of paragraphs \newif\ifUseTsParagraphNoIndentation % \UseTsParagraphNoIndentationtrue % Indentation yes \UseTsParagraphNoIndentationtrue % Indentation no</pre>	Toggle indentation of paragraphs
<pre>% Switch to enable start of section on new page \newif\ifUseTsSectionOnNewPage % \UseTsSectionOnNewPagetrue % Section on same page \UseTsSectionOnNewPagetrue % Section on new page</pre>	Toggle start of section
<pre>% Switch to enable title page \newif\ifUseTsTitlePage % \UseTsTitlePagetrue % Disable title page \UseTsTitlePagetrue % Enable title page</pre>	Toggle title page
<pre>% Switch to enable table of contents \newif\ifUseTsTOC % \UseTsTOCtrue      % Disable table of contents \UseTsTOCtrue      % Enable table of contents</pre>	Toggle table of contents

Table 4: Metadata II

It should be noted that only one line has an influence on the option. The last two lines in the option list show the disabled (with the % sign at the beginning of the line) and the enabled (without the % sign) state.

**ATTENTION:** Turning options off and/or on will affect the steps required for compilation. For example, if the glossary is disabled, no `makeglossary` may be used during compilation. Otherwise this will result in errors.

### 4.3 Metadata III

Additional to the metadata of section 4.1 there exists metadata to influence the filenames. Except for the *TSTemplate-Meta.tex* file all other files are used indirect by commands. So there are these commands available:

Metadefinition	Meaning
----------------	---------

<code>\tsAppendixFile{}</code>	Filename for appendices, default <i>TSTemplate-Appendix.tex</i>
<code>\tsCommandsFile{}</code>	Filename for commands, default <i>TSTemplate-Commands.tex</i>
<code>\tsContentFile{}</code>	Filename for content, default <i>TSTemplate-Content.tex</i>
<code>\tsCustomCommandsFile{}</code>	Filename for custom commands, default <i>TSTemplate-CustomCommands.tex</i>
<code>\tsGlossaryFile{}</code>	Filename for glossary, default <i>TSTemplate-Glossary.tex</i>
<code>\tsHistoryFile{}</code>	Filename for history, default <i>TSTemplate-History.tex</i>
<code>\tsHyphenationFile{}</code>	Filename for hyphenation, default <i>TSTemplate-Hyphenation.tex</i>
<code>\tsLogoFile{}</code>	Filename for logo, default <i>TSTemplate-Logo.png</i>
<code>\tsReferencesFile{}</code>	Filename for references, default <i>TSTemplate.bib</i>
<code>\tsTitlePageFile{}</code>	Filename for title page, default <i>TSTemplate-TitlePage.tex</i>

**Table 5:** Metadata III

## 4.4 Document content

The document content is entered like a normal  $\text{\LaTeX}$  document. For this the file *TSTemplate-Content.tex* is used, in which the user enters the text. The basic conditions such as the inclusion of packages are regulated in the file *TSTemplate.tex*. Features are enabled/disabled in the file *TSTemplate-Meta.tex* – see also [Metadata II](#).

## 4.5 Glossary

The user has the option of entering his own glossary. The entries for the glossary are done in the file *TSTemplate-Glossary.tex*. [ThirtySomething](#) is entered here as an example. This looks like this:

```
\newglossaryentry{TS}{name={ThirtySomething},description={A glossary entry}}
```

**Figure 5:** Definition of a glossary entry

The values have the following correspondences:

- **TS** – This is the abbreviation used to reference the keyword in the document.
- **ThirtySomething** – This is the keyword listed in the glossary.
- **A glossary entry** – This is the description for the keyword listed in the glossary.

The glossary then lists the keyword, the description and the page number(s) where the keyword was used everywhere. A prerequisite for this is, of course, the use of the command `\gls{abbreviation}` with the existing abbreviation. In the above example, the usage looks like this:

```
\gls{TS}
```

**Figure 6:** Use of a glossary entry

In case a glossary is to be used, the document must be translated with `makeglossaries`.

```
pdflatex
makeglossaries
pdflatex
pdflatex
```

**Figure 7:** Translate with glossary

## 4.6 Hyphenation

In some circumstances, hyphenation is not performed for some words. This may be because these words are very specific and  $\text{\LaTeX}$  does not know them and therefore cannot hyphenate them. The result may be overlong lines, which are clearly visible in most cases. In some cases this overlength is not immediately obvious. For this you can temporarily add the line

```
% To see the (page)frames used for hyphenation determination
% \usepackage{showframe}
```

**Figure 8:** Preamble – Package showframe

by removing the comment sign (%). This will display frames in the document indicating the text areas – and you can clearly see the overlong

lines. The affected words at the end of the line can then be entered in the *TSTemplate-Hyphenation.tex* file. An entry there follows the following pattern:

```
\hyphenation{Thir-ty-Some-thing}
```

**Figure 9:** Exemplary content of TSHyphenation.tex

An entry corresponds to the word to be separated with a dash after each syllable. If necessary in the different cases, then the words are separated by a space. In addition, the following parameter can be changed in the document *TSTemplate.tex*:

```
% Setting tolerance for word wrap
% See also: https://texfaq.org/FAQ-overfull
\tolerance=3000
```

**Figure 10:** Influencing the hyphenation

The permissible values are in the range from 0 to 10000.

## 4.7 Bibliography references

In case you want to have some bibliography references and want to cite, you have to enable the citations in *TSTemplate-Meta.tex*:

```
% Switch to enable bibliography and cites
\newif\ifUseTsCitation
\UseTsCitationtrue
```

**Figure 11:** Enabled citations

Fill up your bibliography reference file:

```
@misc{lfc,
  title      = {{Latex Font Catalogue}},
  author     = {},
  year       = {},
  note       = {Online checked on 16.06.2022},
  howpublished = {\url{https://tug.org/FontCatalogue/}}
}
```

**Figure 12:** Reference definition

And to use it in the text.

Fonts can be viewed at Latex Font Cataloge.`\tsCitation{lfc}`

**Figure 13:** Reference usage

Fonts can be viewed at Latex Font Cataloge. [1]



## 5 Commands

To simplify things for newcomers, various commands have been defined. The use of the commands is optional. However, using them makes it clearer what the author wants to achieve with the corresponding command. It is recommended to end commands without parameters with `{}`, even if this is not necessary. However, it leads to the fact that, for example, after such a command there can also be a space character – otherwise this is removed by  $\text{\LaTeX}$  when compiling.

Command definition	Meaning
<code>\tsAppendixIncludeFile{Filename}</code>	This command will add an appendix section. The section consists of a <code>tsTextMonospace</code> section header of <code>Filename</code> and will include the file <code>Filename</code> in a verbatim environment. See appendix A how it looks like.
<code>\tsAppendixSection{Appendix}</code>	This command will add an appendix, also a so-called label. Thus the appendix can be referenced via <code>\ref{appendix:Appendix}</code> or via <code>\nameref{appendix:Appendix}</code> somewhere else.
<code>\tsArrowRight{}</code>	$\rightarrow$
<code>\tsArrowRightDouble{}</code>	$\Rightarrow$
<code>\tsArrowDown{}</code>	$\downarrow$
<code>\tsArrowDownDouble{}</code>	$\Downarrow$
<code>\tsArrowLeft{}</code>	$\leftarrow$
<code>\tsArrowLeftDouble{}</code>	$\Leftarrow$
<code>\tsArrowUp{}</code>	$\uparrow$
<code>\tsArrowUpDouble{}</code>	$\Uparrow$
<code>\tsBackslash{}</code>	$\backslash$
<code>\tsBullet{}</code>	$\bullet$

<code>\tsCaptionLabelFigure{Figure}</code>	This command is usually used below a mapping. There is not only a description added, but also a so-called label. Thus the figure can be referenced via <code>\ref{fig:Figure}</code> or via <code>\nameref{fig:Figure}</code> somewhere else.
<code>\tsCaptionLabelFormula{Formula}</code>	This command is similar to <code>\tsCaptionLabelFigure</code> , but is referenced via <code>\ref{for:Formula}</code> or via <code>\nameref{for:Formula}</code> .
<code>\tsCaptionLabelTable{Table}</code>	This command is similar to <code>\tsCaptionLabelFigure</code> , but is referenced via <code>\ref{tab:Table}</code> or via <code>\nameref{tab:Table}</code> .
<code>\tsCitation{ref}</code>	References citation in bibliography, see also <a href="#">Bibliography references</a> for details.
<code>\tsDegree{zahl}</code>	Without number ° or with number 715°!
<code>\tsDiameter{}</code>	∅
<code>\tsFootnoteDef{text}{ref}</code>	Defines a footnote <sup>2</sup> with a label, which can be referenced elsewhere using <code>\tsFootnoteRef{ref}</code> .
<code>\tsFrac{num1}{num2}</code>	Defines a frac like 1/2.
<code>\tsFootnoteRef{ref}</code>	References a footnote <sup>2</sup> which was defined elsewhere using <code>\tsFootnoteDef{text}{ref}</code> .
<code>\tsImage{filename}{description}{options}</code>	With this, an image can be included – it then automatically gets a description. It is mandatory to specify three parameter brackets. The first parameter is the file name. The second parameter is the signature under the image. The third parameter, the options, are optional, that is, the brackets can be empty. These are the same parameters that can be used with <code>\includegraphics</code> , e.g. <code>width=380px</code> .

---

<sup>2</sup>I am a footnote.

<code>\tsImageF{filename}{description}{options}</code>	Like <code>\tsImage</code> , but with a frame.
<code>\tsImageO{filename}{description}{overlay}{options}</code>	Like <code>\tsImage</code> , but with an overlaid text.
<code>\tsImageOF{filename}{description}{overlay}{options}</code>	Like <code>\tsImageF</code> , but with an overlaid text.
<code>\begin{tsLTItemize}</code> <code>\item Item I of enumeration list.</code> <code>\item Item B of enumeration list.</code> <code>\item Item 3 of enumeration list.</code> <code>\end{tsLTItemize}</code>	An enumeration list <ul style="list-style-type: none"> <li>• Item I of enumeration list.</li> <li>• Item B of enumeration list.</li> <li>• Item 3 of enumeration list.</li> </ul>
<code>\tsTextBold{text}</code>	<b>text</b>
<code>\tsTextItalic{text}</code>	<i>text</i>
<code>\tsTextLower{text}</code>	text
<code>\tsTextMonospace{text}</code>	text
<code>\tsTextQuoteF{text}</code>	«text»
<code>\tsTextQuoteG{text}</code>	„text“
<code>\tsTextStrikethrough{text}</code>	<del>text</del>
<code>\tsTextUnderline{text}</code>	<u>text</u>
<code>\tsTextUpper{text}</code>	text

Table 6: Available commands

A look into the source code of this document shows the usage of the commands.

## 5.1 Examples to images

```
% Insert image TSTemplate-Logo.png
% Signature is 'Image without parameters'
% Optional parameters are empty
\tsImage{TSTemplate-Logo.png}{Image without parameters}{}

```

Figure 14: Code of image without parameters



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**Figure 15:** Image without parameters

```
% Insert image TSTemplate-Logo.png
% Signature is 'Image with parameter'
% Parameter: width=0.5\linewidth => scale the image to half page width
\ttsImage{TSTemplate-Logo.png}{Image with parameter}{width=0.5\linewidth}
```

**Figure 16:** Code of image with parameter



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**Figure 17:** Image with parameter

```
% Insert image TSTemplate-Logo.png with frame
% Signature is 'Image without parameters, with frame'
% Optional parameters are empty
\ttsImageF{TSTemplate-Logo.png}{Image without parameters, with frame}{{}}
```

**Figure 18:** Code of image without parameters, with frame



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**Figure 19:** Image without parameters, with frame

```
% Insert image Garden.jpg with frame
% Signature is 'Image with overlay and parameters'
% Optional parameters are 'width=0.9\linewidth
\ttsImageOF{./Images/Garden.jpg}{Image with frame, overlay
and parameters}{\tsTextUpper{(C)} 2008, ThirtySomething}
{width=0.9\linewidth}
```

**Figure 20:** Code image with frame, overlay and parameters



**Figure 21:** Image with frame, overlay and parameters

## 6 Font sizes

There may be a need to adjust the font size. For this purpose  $\LaTeX$  provides the following options:

Command	Example
<code>\Huge{Huge}</code>	Huge
<code>\huge{huge}</code>	huge
<code>\LARGE{LARGE}</code>	LARGE
<code>\Large{Large}</code>	Large
<code>\normalsize{normalsize}</code> (Default)	normalsize (Default)
<code>\small{small}</code>	small
<code>\footnotesize{footnotesize}</code>	footnotesize
<code>\scriptsize{scriptsize}</code>	scriptsize
<code>\tiny{tiny}</code>	tiny

**Table 7:** Font sizes

## 7 Tables

Font sizes play a role in the use of tables when it comes to distributing the content appropriately among the columns. Here is a sample code how to make a table.

```
\begin{small}
  \renewcommand*{\arraystretch}{3}
  \begin{longtable}{| p{0.43\linewidth} | p{0.5\linewidth} | }
    \hline
    \tsTextBold{Command}      & \tsTextBold{Sample} \\
    \hline
    \tsBackslash{}Huge\{text\} & \Huge{Huge}        \\
    \hline
    \tsCaptionLabelTable{Font sizes}
  \end{longtable}
\end{small}
```

**Figure 22:** Tables

It is started with a block in one of the desired [Font sizes](#). The first command within the font environment changes the spacing between the text lines. If you do not do this, the table content and the table grid will overlap or the spacing will be very tight. A good value is

```
\renewcommand*{\arraystretch}{1.5}
```

**Figure 23:** Row height in tables

The definition of the columns and their widths follows. The total width available to a text in a line is `\textwidth`. Due to the lines of the table, not quite `1.0\textwidth` is available. So the sum of all individual column widths should not exceed `0.9\textwidth`.

To slightly separate column headings from the column contents, the `\tsTextBold{column name}` command can be used. Each column value is separated from the next column by a `&`. The end of the row is marked with a `\\`.

For horizontal lines, a `\hline` is inserted.

The data lines follow the same structure.

To give the table a referencable name, add a `\tsCaptionLabelTable{Font sizes}` at the end. Check the source of this document in the section [Font sizes](#) to see how it works.

When using a `verbatim` environment in a table, then the column type of the table **must be** of type P! Also important is that the column separator `&` must be on the next line after the `\end{tsLTItemize}`.



## 8 The verbatim environment

With the Verbatim environment text can be displayed in a Monospace font. This is used to display source code.

```
\begin{figure}[H]
  \small
  \centering
  \begin{BVerbatim}
Sample code of verbatim environment.
  \end{BVerbatim}
  \tsCaptionLabelFigure{Verbatim Environment Demo}
\end{figure}
```

**Figure 24:** Verbatim Environment Code

In order for the verbatim environment to get a signature, it is embedded in a figure environment. The [H] behind it makes sure that the environment stays at the desired place in the text and does not end up somewhere in the document.

The adjustment of the font size is done as needed. A possible centering is achieved here using \centering.

**Note:** If the verbatim environment is to be centered, the text that is between \begin{BVerbatim} and \end{BVerbatim} must be leftmost aligned in the source code of the document. Otherwise the spaces will be part of the alignment.

The example from above then produces this result:

```
Sample code of verbatim environment.
```

**Figure 25:** Verbatim Environment Demo

## 9 Appendices

In case you want to have appendices, there are two steps. The first one is required to enable the appendices, the second one is the appendix itself. For enabling remove the comment sign in the *TSTemplate-Meta.tex* file:

```
% Switch to enable appendix
\newif\ifUseTsAppendix
\UseTsAppendixtrue
```

**Figure 26:** Enabling appendices

The second one is the usage of an appendix. You can have a look at the sources in *TSTemplate-Appendix.tex* or use this example:

```
\tsAppendixSection{README.md}
```

**Figure 27:** Usage of tsAppendixSection

In this example the appendix README.md is added and can be referenced either by `\nameref{appendix:README.md}` ([README.md](#)) and/or `\ref{appendix:README.md}` ([A](#)).

In case you want to add a file to the appendix, you can also use the `\tsAppendixIncludeFile{filename}` command. You can see the result in appendix [C](#), which is done by

```
\tsAppendixIncludeFile{vscode-latex-workshop.json}
```

**Figure 28:** Usage of tsAppendixIncludeFile

# A README.md

# LatexTemplate

A basic template for latex documents. See the [PDF][pdf] for more details.

## License

```code

-----  
MIT License

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-----  
```

[pdf]: ./TSTemplate.pdf

## B vscode-explorer-filenesting.json

```
"explorer.fileNesting.enabled": true,
"explorer.fileNesting.patterns": {
  "*.tex": "${capture}*.bib, ${capture}*.pdf, ${capture}*.png, ${capture}*.tex",
  "*.ts": "${capture}.js",
  "*.js": "${capture}.js.map, ${capture}.min.js, ${capture}.d.ts",
  "*.jsx": "${capture}.js",
  "*.tsx": "${capture}.ts",
  "tsconfig.json": "tsconfig*.json",
  "package.json": "package-lock.json, yarn.lock"
},
```

## C vscode-latex-workshop.json

```
// --- Latex workshop settings
"latex-workshop.chktex.enabled": true,
"latex-workshop.latex.clean.fileTypes": [
  "*.acn",
  "*.acr",
  "*.alg",
  "*.aux",
  "*.bbl",
  "*.blg",
  "*.fdb_latexmk",
  "*.fls",
  "*.glg",
  "*.glo",
  "*.gls",
  "*.idx",
  "*.ilg",
  "*.ind",
  "*.ist",
  "*.lof",
  "*.log",
  "*.lot",
  "*.nav",
  "*.out",
  "*.snm",
  "*.synctex(busy)",
  "*.synctex.gz",
  "*.synctex.gz(busy)",
  "*.toc",
  "*.vrb"
],
"latex-workshop.latex.autoClean.run": "onBuilt",
"latex-workshop.latex.recipes": [
  {
    "name": "pdflatex*2",
    "tools": [
      "pdflatex",
      "pdflatex"
    ]
  },
  {
    "name": "pdflatex -> bibtex -> pdflatex*2",
    "tools": [
      "pdflatex",
      "bibtex",
      "pdflatex",
      "pdflatex"
    ]
  },
  {
    "name": "pdflatex, bibtex, makeglossaries, pdflatex*2",
    "tools": [
      "pdflatex",
      "bibtex",
      "makeglossaries",
      "pdflatex",
      "pdflatex"
    ]
  },
  {
```

```

        "name": "pdflatex, makeglossaries, pdflatex (2x)",
        "tools": [
            "pdflatex",
            "makeglossaries",
            "pdflatex",
            "pdflatex"
        ]
    },
],
"latex-workshop.latex.tools": [
    {
        "name": "latexmk",
        "command": "latexmk",
        "args": [
            "-synctex=1",
            "-interaction=nonstopmode",
            "-file-line-error",
            "-pdf",
            "-outdir=%OUTDIR%",
            "%DOC%"
        ],
        "env": {}
    },
    {
        "name": "lualatexmk",
        "command": "latexmk",
        "args": [
            "-synctex=1",
            "-interaction=nonstopmode",
            "-file-line-error",
            "-lualatex",
            "-outdir=%OUTDIR%",
            "%DOC%"
        ],
        "env": {}
    },
    {
        "name": "latexmk_rconly",
        "command": "latexmk",
        "args": [
            "%DOC%"
        ],
        "env": {}
    },
    {
        "name": "pdflatex",
        "command": "pdflatex",
        "args": [
            "-synctex=1",
            "-interaction=nonstopmode",
            "-file-line-error",
            "%DOC%"
        ],
        "env": {}
    },
    {
        "name": "bibtex",
        "command": "bibtex",
        "args": [
            "%DOCFILE%"
        ],
        "env": {}
    }
]

```

```

    },
    {
      "name": "rnw2tex",
      "command": "Rscript",
      "args": [
        "-e",
        "knitr::opts_knit$set(concordance = TRUE); knitr::knit('%DOCFILE_EXT%')"
      ],
      "env": {}
    },
    {
      "name": "jnw2tex",
      "command": "julia",
      "args": [
        "-e",
        "using Weave; weave(\"%DOC_EXT%\", doctype=\"tex\")"
      ],
      "env": {}
    },
    {
      "name": "jnw2texmintex",
      "command": "julia",
      "args": [
        "-e",
        "using Weave; weave(\"%DOC_EXT%\", doctype=\"texminted\")"
      ],
      "env": {}
    },
    {
      "name": "tectonic",
      "command": "tectonic",
      "args": [
        "--synctex",
        "--keep-logs",
        "%DOC%.tex"
      ],
      "env": {}
    },
    {
      "name": "makeglossaries",
      "command": "makeglossaries",
      "args": [
        "%DOCFILE%"
      ]
    }
  ],
  "latex-workshop.view.pdf.viewer": "browser",

```

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# Glossary

**ThirtySomething** A glossary entry [11](#)

## References

- [1] *Latex Font Catalogue*. <https://tug.org/FontCatalogue/>. Online checked on 16.06.2022.

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