Technologisches Gewerbe Museum

FACH

Aufgaben-Titel

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Contents

1 Introduction for everybody

So I guess the purpose of this document is quite clear. Everybody can share his or her knowledge in Latex into this document.
It can then be used for any Borko-Tasks and stuff.
The language of documentation is English, so that everybody and their grandma can use this document. Also the basic things should be described somewhere, so that also beginners can make a use of this document.

Furthermore, the .tex file counts as a documentation and not the output into pdf. If someone wants to change this, they are welcome to do so tho! This means, that normally, the user of this document will have to read the .tex file rather than the pdf.

Collaborators can add their names here:
Hannah Siegel(hsiegel-tgm)

2 Basic Latex Commands

2.1 Text Formatting

italic
emph
bold
`code`
underlinded
dashed underlined

2.2 Alignment of text

2.3 Colors

red
text
red
OrangeRed
red

2.3.1 Defining customized colors

test
test

3 Graphics

3.1 Including graphics using figures

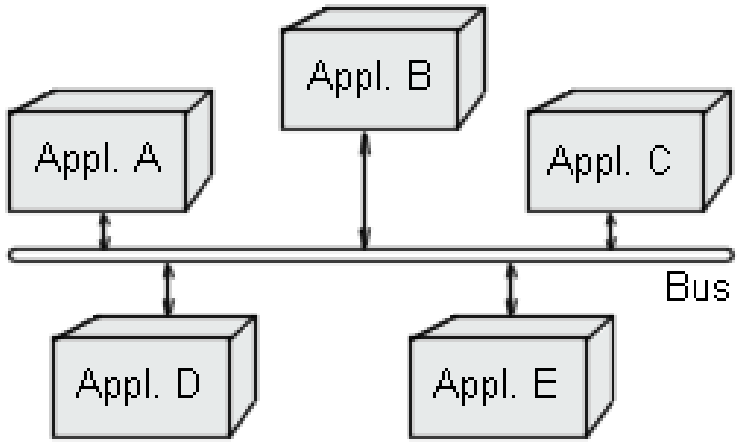
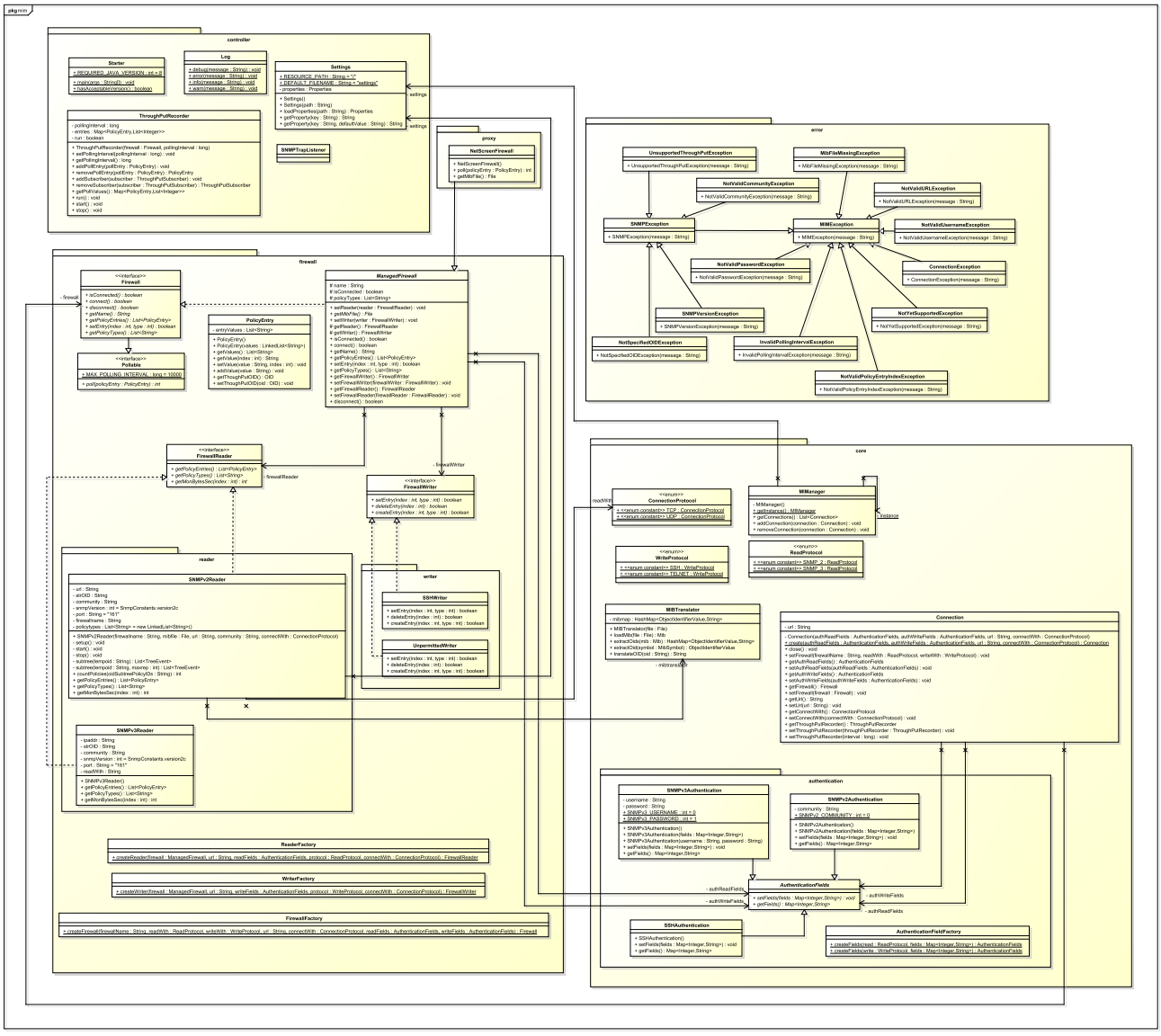


Figure 1: caption1

List of Figures

3.2 Including svg using rsvg-convert

If you want to insert svg you will need to add this to the PdfLaTex-Command:
`--shell-escape --enable-write18 %.tex`



svg

List of Figures

4 References and referencing

4.1 Easy Bibliography

References

[1] **Who**, When
url
last used: dd.mm.yyyy, hh:mm

[2] **Mister Super-genious**, Answer from 20.01.2015
http://www.stackoverflow.com/question
last used: 22.10.2014, 21:00

This source can be cited using:

\cite{name}

[1]

4.2 More complicated/'better' Bibliography

"I'm a cite from a book" [Autar]

Some content-related cite [wiar]

Entries in your bib-file you don't relate with a \cite aren't listed!

References

[Autar] Some Author. *Some Title*. Some Publisher, number edition, Year.

[wiar] Who write it. Some title. URL if it is online, Year.

4.3 Referencing

Referencing in Latex is quite easy, all that has to be done is:

1. Define the 'point-of-reference' with:
   `\label{type:name}`
2. Refer to the item using:
   `\ref{type:name}`

5 Document and Layout

5.1 Minipages

Whenever you want to layout your document a little bit more, the use of minipages would be great! Take care: text width within a minipage always depends on the size of the minipage.

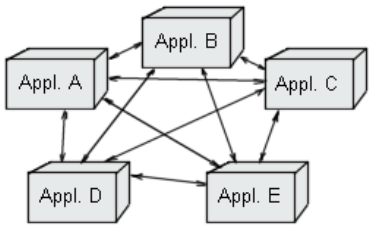


Figure 2: Star-topology

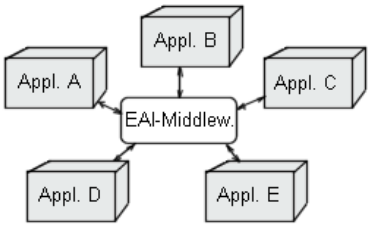


Figure 3: Hub-topology

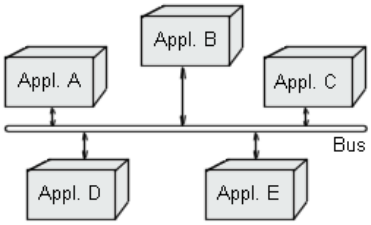


Figure 4: Bus-topology

5.2 Letting some space free

If you wish to leave some space free in your document, use the vspace command

```
\vspace{0.1\textheight}
```

This looks like this:

5.3 The Usage of Itemize and co

5.3.1 Itemize

- item1
- item2

5.3.2 enumerate

1. enumerate1
2. enumerate2

5.3.3 description

First The first item

Second The second item

5.3.4 Nested items

1. The first item
    (a) Nested item 1
    (b) Nested item 2
2. The second item

5.3.5 enumerate using letters

(a) an apple

(b) a banana

(c) a carrot

(d) a durian

(A) an apple

(B) a banana

(C) a carrot

(D) a durian

(i) an apple

(ii) a banana

(iii) a carrot

(iv) a durian

6 Tables

6.1 Table generator

For Tables in latex, there is the possibility to use table generators. Simply google this.

Still, the following things should be thought of:

- the width of a table can be set using
  `p{0.4\textwidth}`

  Please note: a default table for the working time can be found in the other document.

7 How to include Code

8 Important Things, Bugs, Useful Hits ...

8.1 Float Barriers

8.2 Glossaries

First of all the entry needs to be defined on the top of the document:

```
\newglossaryentry{cpu} {name=CPU, description={Central Processing Unit}}
```

Aterwards, the glossarie entry can be reffered to using:

```
\gls{cpu}
```

The glossaries are printed out when you use:

```
\printglossaries
```

Take care: ! I use texmaker and sometimes I have to run this on my command line:

```
makeglossaries <dokumentenname> ausfuehren
```

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