SPENGERGASSE *

Diploma Thesis

title

Joachim GRÜNEIS, Klaus UNGER

Version 1.0 - 2018-06-18

Table of content

Colophon

Schuljahr 2018/19

Datum:	übernommen von:

Table 1. Abgabevermerk

Eidesstattliche Erklärung

Ich erkläre an Eides statt, dass ich die vorliegende Diplomarbeit selbständig und ohne fremde Hilfe verfasst, andere als die angegebenen Quellen und Hilfsmittel nicht benutzt und die den benutzten Quellen wörtlich und inhaltlich entnommenen Stellen als solche erkenntlich gemacht habe.

Wien, am 08.04.2019	VerfasserInnen
	Joachim GRÜNEIS
	Klaus UNGER

Eidesstattliche Erklärung

Abstract

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About BAP and DevOps

Joachim GRÜNEIS <grueneis@spengergasse.at>

Abstract

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History and hard facts

Well you have to write something

Mindset

The Pragmatic Programmer [pp] is one of the most influencing books.

About Software Engineering

Klaus UNGER <unger@spengergasse.at>

History and hard facts

Well you have to write something

Mindset

The Pragmatic Programmer [pp] is one of the most influencing books.

Portfolio

The Lady of the Lake, her arm clad in the purest shimmering samite, held aloft Excalibur from the bosom of the water, signifying by divine providence that I, Arthur, was to carry Excalibur . That is why I am your king. Shut up! Will you shut up?! Burn her anyway! I'm not a witch. Look, my liege! We found them.[1]

⚠️	Warning
💡	Tip
❗	Important
🔥	Caution
ℹ️	Note

Feeding the Werewolves

While werewolves are hardy community members, keep in mind the following dietary concerns:

1. They are allergic to cinnamon.

2. More than two glasses of orange juice in 24 hours makes them howl in harmony with alarms and sirens.

3. Celery makes them sad.

[1] Hello

Diagramming

Class Diagram

An error has occured!
Just mentally though... are you okay ?

Diagram size: 24 lines / 365 characters.

For some reason, dot/GraphViz has crashed.
This has been generated with PlantUML (1.2020.06).
This version of PlantUML is 294 days old, so you should
 consider upgrading from http://plantuml.com/download

Java Runtime: OpenJDK Runtime Environment
JVM: OpenJDK 64-Bit Server VM
Java Version: 15.0.1+9-18
Operating System: Windows 10
Default Encoding: Cp1252
Language: de
Country: AT
Machine: DESKTOP-04G2H0R
PLANTUML_LIMIT_SIZE: 4096
Processors: 8
Max Memory: 4,282,384,384
Total Memory: 293,601,280
Free Memory: 154,494,752
Used Memory: 139,106,528
Thread Active Count: 4

Default dot version: dot - graphviz version 2.44.1 (20200629.0846)

Please go to http://plantuml.com/graphviz-dot to check your GraphViz version.

You should send this diagram and this image to **plantuml@gmail.com** or
post to **http://plantuml.com/qa** to solve this issue.
You can try to turn arround this issue by simplifing your diagram.

Component

An error has occured!
However beautiful the strategy, you should occasionally look at the results

Diagram size: 14 lines / 203 characters.

For some reason, dot/GraphViz has crashed.
This has been generated with PlantUML (1.2020.06).
This version of PlantUML is 294 days old, so you should
  consider upgrading from http://plantuml.com/download

Java Runtime: OpenJDK Runtime Environment
JVM: OpenJDK 64-Bit Server VM
Java Version: 15.0.1+9-18
Operating System: Windows 10
Default Encoding: Cp1252
Language: de
Country: AT
Machine: DESKTOP-04G2H0R
PLANTUML_LIMIT_SIZE: 4096
Processors: 8
Max Memory: 4,282,384,384
Total Memory: 352,321,536
Free Memory: 215,242,480
Used Memory: 137,079,056
Thread Active Count: 5

Default dot version: dot - graphviz version 2.44.1 (20200629.0846)

Please go to http://plantuml.com/graphviz-dot to check your GraphViz version.

You should send this diagram and this image to **plantuml@gmail.com** or
post to **http://plantuml.com/qa** to solve this issue.
You can try to turn arround this issue by simplifing your diagram.

WorkBreakDown

```
                        ┌─────────────────────────────────┐
                        │  Business Process Modelling WBS  │
                        └─────────────────────────────────┘
        ┌──────────────────────┬──────────────────────────────────────┐
┌──────────────────┐   ┌──────────────┐                    ┌────────────────────────┐
│ Launch the project│   │ Design phase │                    │ Complete innovate phase│
└──────────────────┘   └──────────────┘                    └────────────────────────┘
    ┌───────────────────────────────┐      ┌─────────────────────────────────┐
    │ Complete Stakeholder Research │      │ Model of AsIs Processes Completed│
    └───────────────────────────────┘      └─────────────────────────────────┘
    ┌───────────────────────────┐              ┌──────────────────────────────────┐
    │ Initial Implementation Plan│              │ Model of AsIs Processes Completed1│
    └───────────────────────────┘              └──────────────────────────────────┘
                                                ┌──────────────────────────────────┐
                                                │ Model of AsIs Processes Completed2│
                                                └──────────────────────────────────┘
                        ┌──────────────────────────────────┐
                        │ Measure AsIs performance metrics │
                        └──────────────────────────────────┘
                        ┌───────────────────┐
                        │ Identify Quick Wins│
                        └───────────────────┘
```
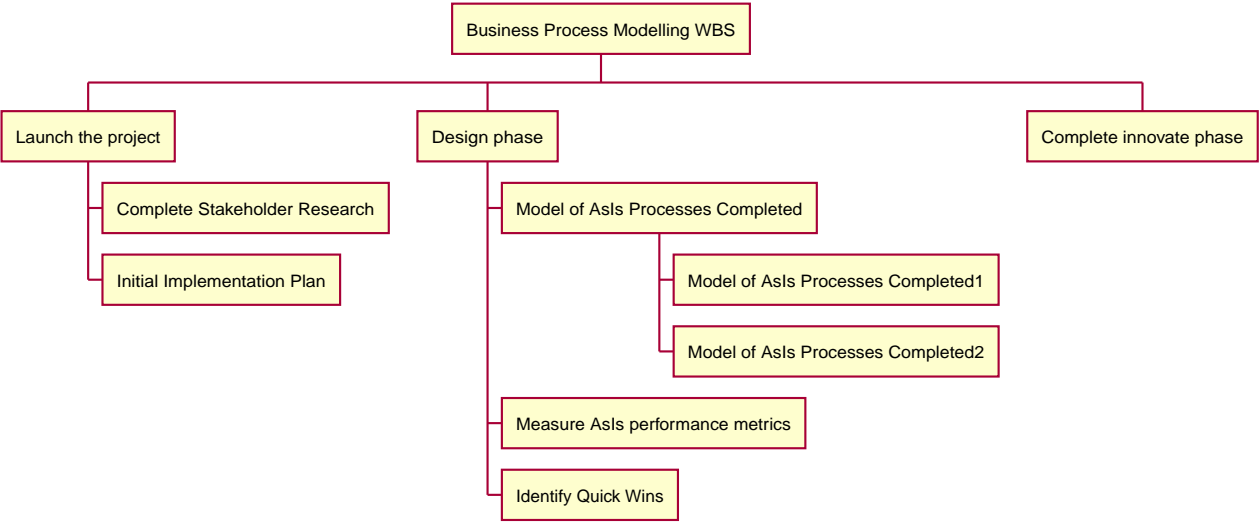
Entity Relationship Diagram

An error has occured!
Hasta la vista, baby.

Diagram size: 8 lines / 128 characters.

For some reason, dot/GraphViz has crashed.
This has been generated with PlantUML (1.2020.06).
This version of PlantUML is 294 days old, so you should
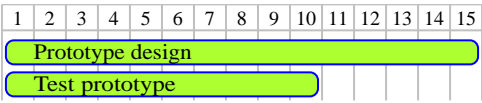 consider upgrading from http://plantuml.com/download

Java Runtime: OpenJDK Runtime Environment
JVM: OpenJDK 64-Bit Server VM
Java Version: 15.0.1+9-18
Operating System: Windows 10
Default Encoding: Cp1252
Language: de
Country: AT
Machine: DESKTOP-04G2H0R
PLANTUML_LIMIT_SIZE: 4096
Processors: 8
Max Memory: 4,282,384,384
Total Memory: 352,321,536
Free Memory: 89,413,360
Used Memory: 262,908,176
Thread Active Count: 5

Default dot version: dot - graphviz version 2.44.1 (20200629.0846)

Please go to http://plantuml.com/graphviz-dot to check your GraphViz version.

You should send this diagram and this image to **plantuml@gmail.com** or
post to **http://plantuml.com/qa** to solve this issue.
You can try to turn arround this issue by simplifing your diagram.

Gantt

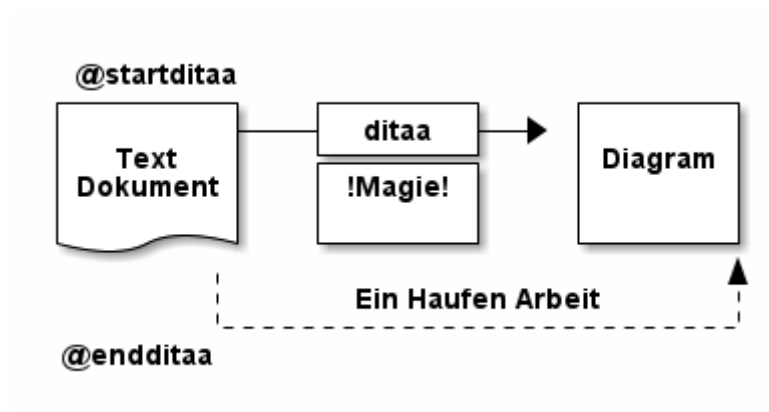| 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Prototype design														
Test prototype														

AsciiMath

$$\sum_{i=0}^{n-1}(a_i + b_i^2)$$

DOT

GraphViz has crashed

Ditaa

Glossary

software

invisible

hardware

accessible

References

- [pp] Andy Hunt & Dave Thomas. The Pragmatic Programmer: From Journeyman to Master. Addison-Wesley. 1999.

Index

A

Appendix A: Appendix

A.1. The schema behind the data

```
{
  "bla": "bla"
}
```

```java
public class HelloWorld {

  public static void main(String[] args) {
  }
}
```