Nappy, the ingenious
Software Architecture Document

Revision History

Date	Version	Description	Author
12/11/2015	1.0	First version	Mehmet Ali Incekara

Table of Contents

Software Architecture Document

1.   Introduction

1.1   Purpose

This document provides an architectural overview of Nappy, the ingenious in aspects of different architectural views.

1.2   Definitions, Acronyms, and Abbreviations

SAD	Software Architecture Document
MVC	Model-View-Controller

1.3   References

GitHub-Docs: https://github.com/nappydevelopment/docs

2.   Architectural Representation

The project Nappy, the ingenious will use the MVC-principles.

3.   Architectural Goals and Constraints

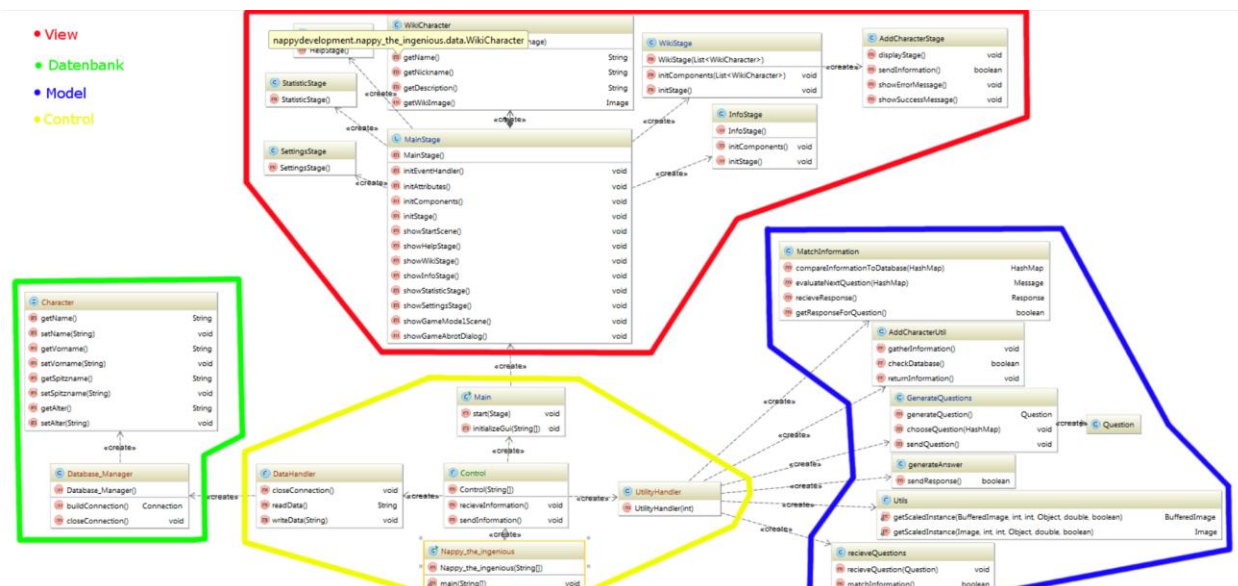The main goal of this architecture is to separate the view from the logic. The view is "stupid" and knows nothing.
We will use the Framework from JavaFX for our project.

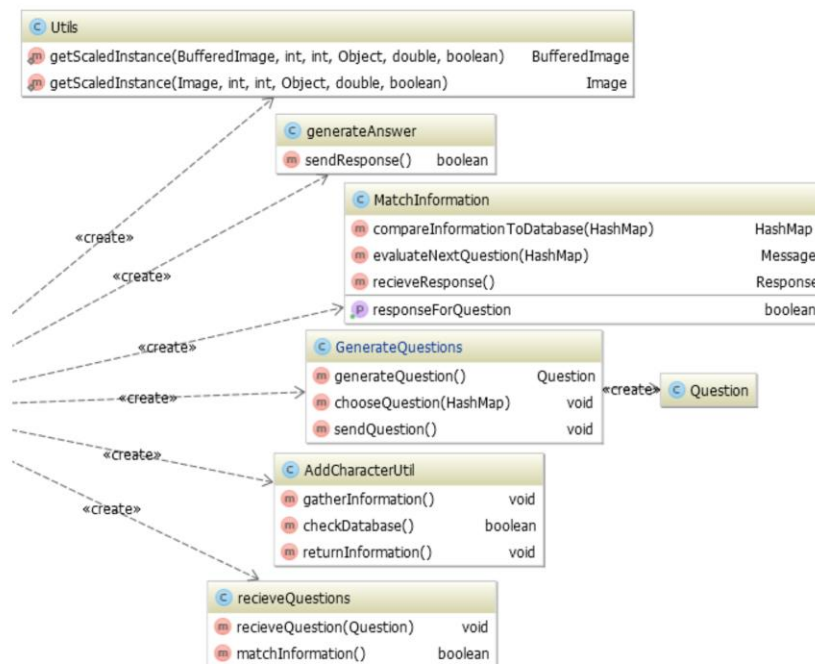## 4.   Use-Case View

(n/a)

5.   Logical View

5.1   Overview

You can also find this picture (a little bit bigger) on GitHub:
https://github.com/nappydevelopment/docs/blob/master/pdfs/Class_Diagramm.pdf
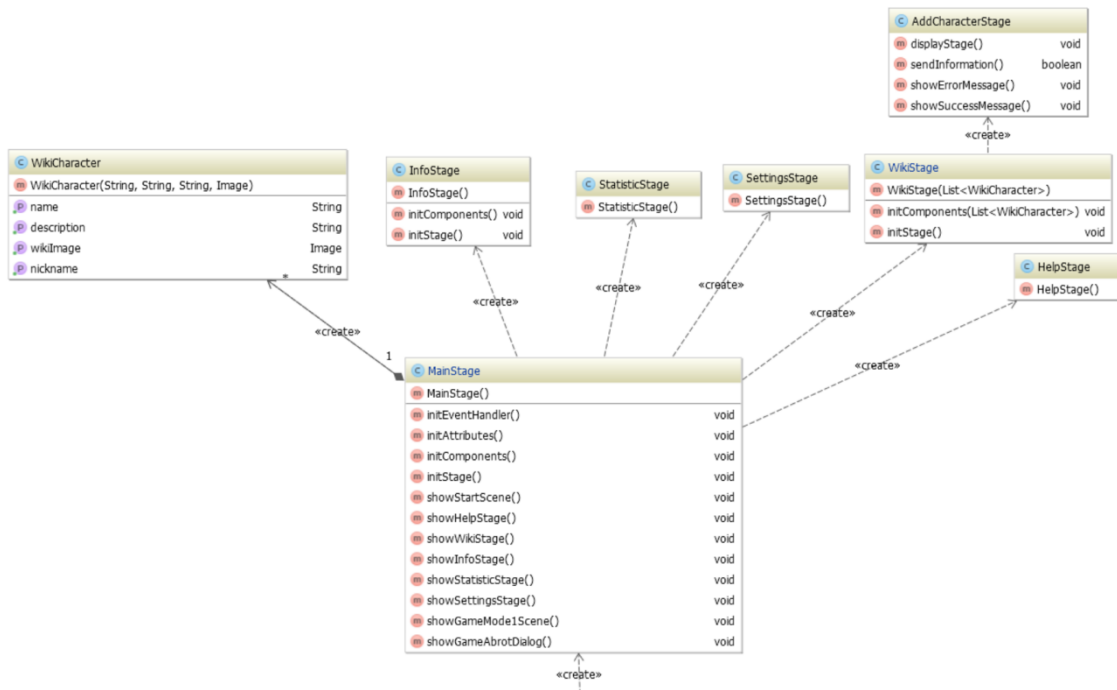
5.2 Separated view

5.2.1 Model

https://github.com/nappydevelopment/docs/blob/master/pdfs/Model_Class_Diagramm.pdf

5.2.2 View

https://github.com/nappydevelopment/docs/blob/master/pdfs/View_Class_Diagramm.pdf

5.2.3 Control
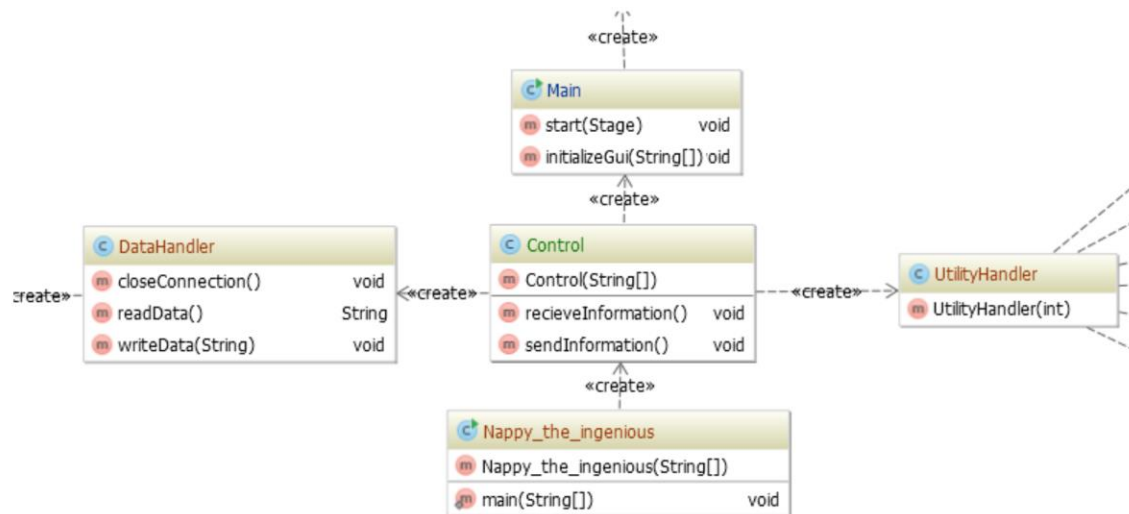
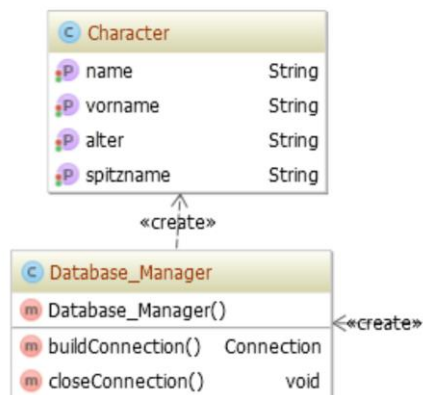https://github.com/nappydevelopment/docs/blob/master/pdfs/Control_Class_Diagramm.pdf

5.2.4 Database

https://github.com/nappydevelopment/docs/blob/master/pdfs/Datenbank_Class_Diagramm.pdf

6. Process View

(n/a)

7. Deployment View

(n/a)

8. Implementation View

(n/a)

9. Data View

FIELD	TYPE
ID	INTEGER(10)
NAME	VARCHAR(2147483647)
NICKNAME	VARCHAR(2147483647)
DESCRIPTION	VARCHAR(2147483647)
MALE	BOOLEAN(1)
HUMAN	BOOLEAN(1)
ALIVE	BOOLEAN(1)
SIMPSON	BOOLEAN(1)
AGE	VARCHAR(2147483647)
JOB	VARCHAR(2147483647)
FAMOUS	BOOLEAN(1)
SKINCOLOR	VARCHAR(2147483647)
HAIRCOLOR	VARCHAR(2147483647)
RELIGOUS	BOOLEAN(1)
SMOKES	BOOLEAN(1)
HOMOSEXUAL	BOOLEAN(1)
AMERICAN	BOOLEAN(1)
MARRIED	BOOLEAN(1)
CHARACTER	VARCHAR(2147483647)
MOESBAR	BOOLEAN(1)
FAT	BOOLEAN(1)
WEARINGS	VARCHAR(2147483647)

10. Size and Performance

The size and the performance are really important for our project. We are trying to keep the size of the project as small as possible. Also we will load our database into the memory to increase the performance. So we will need a few seconds until the program starts to load all pictures and the database.

11. Quality

The quality of our project Nappy, the ingenious is also important. We used a lot of sources to get all information about the characters and so our database has a stable foundation.