Zettelkasten GTK

Kryštof Albrecht
krystofalbrechtus@gmail.com
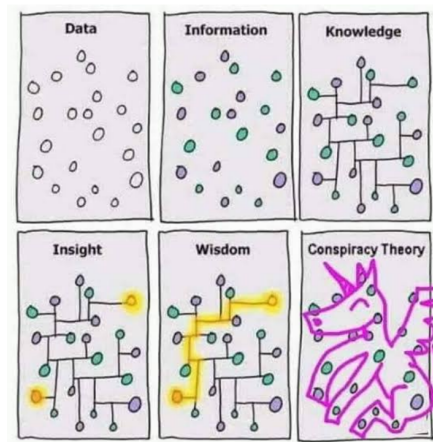
March 14, 2021

Contents

1 Introduction

1.1 Motivation

Tools like Vimwiki, Vimzettel and Taskwiki provide a solid base for a Zettelkasten workflow. These are based on *the Vim text editor*, which has a lot of advantages:

- Text editing cannot be faster

- Adding new notes is effortless

- The system is simple

- Tasks can have note links in them

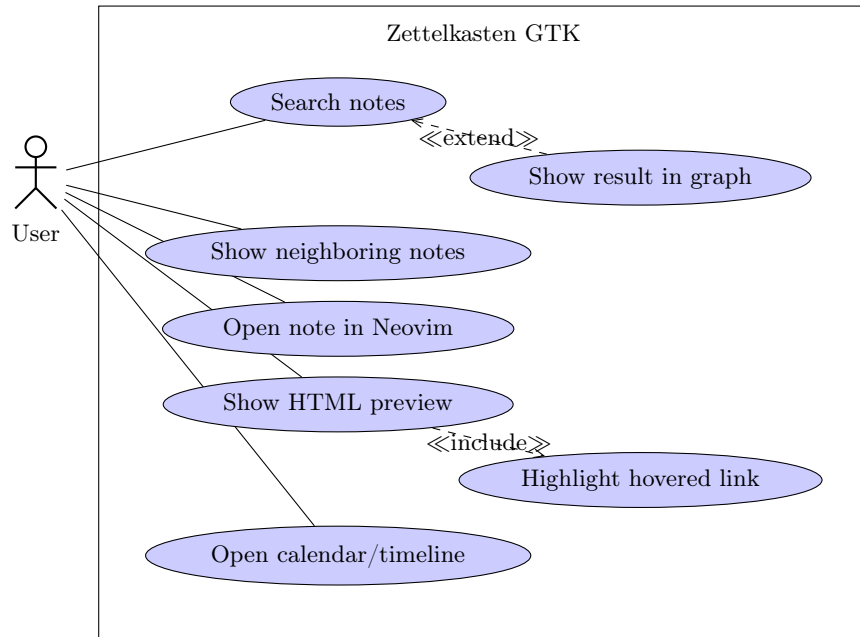- Any missing functionality can be added through Vimscript

The problem is however, that there is no GUI. Tools like *Obsidian* offer a *graph view* that enables natural viewing of the *networked structure* of the Zettelkasten. This view allows faster and easier search and navigation, but also improves the chances of *emergent ideas*.

This tool is based on a *graph view* of the Zettelkasten and allows a wide range of filters to find precisely what we're looking for.

1.2   Use case diagram

The graph view (see section 2) is *the basis* of the system and so will always be shown. The user will then be able to *adjust* this graph view. Any other view will open as a sidebar.

1.3   Miscellaneous features

Apart from the aforementioned main use cases, there will also be the following features:

- Showing files/attachments in the graph view

- Support for Vimwiki tags

1.4   Common scenarios

Here are a few scenarios of how using the application might play out.

1.4.1   Processing the staging area

I've taken some notes and put them in the staging area. Now I want to quickly integrate them into the Zettelkasten.

1. The staged notes have an *outline* around them. Each staging subtask is *further divided* by outlines.

2. I *highlight* all the task notes within an outline.

3. I *open* all the notes at once in Neovim.

4. I can view the HTML preview of the note I am working on.

5. As I work, the graph updates *in real time.*

1.4.2   Searching for information

I can't seem to remember something that I've written down.

1. I enter my search query by *just starting to type.*

2. The graph updates in real time and shows just the nodes matching the query. The most relevant node is highlighted and its HTML preview is show automatically.

3. I have the option to show a small snippet of the note next to each node.

4. Hitting enter, I can navigate the nodes with *Vim keys.*

5. Hitting enter again, I can navigate the HTML preview.

2   The Graph View