

Mind Map PIM

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Overview

1 Concept

- Overview
- What it is not
- Services we will use

2 Software Architecture

- Overview
- Requirements
- Design
- Persistence
- Interface

Project Overview

Mind Mapped PIM is a program that will process existing PIM sources such as Facebook and Gmail and construct a mind map using that data. The mind map will allow functionality of the sources e.g. send an email. It will be programmed in a way to display information that is most relevant to you at a particular time

What it is not

The Mind Map PIM is not a new social media platform. Rather it acts as a filter for current your current social media platforms. It will use intelligent algorithms to determine what information you would most likely want to see.

Services we will use

We will make use of the following social media platforms by using the APIs that are provided by them:

1 Google services (priority)

1 Gmail

2 Calendar

3 Notes

4 Plus

2 Facebook

3 LinkedIn

We will be using dependency injection to implement the different platforms. This will enable future expansion to more platforms.

Software Architecture Overview

We will be using a layered system architecture to implement the system. This will allow us to better achieve:

- modularity
- flexibility
- scalability
- access limitation

Software Architecture Requirements

Software Architecture Design

Software Architecture Persistence

For persistence we will be using MongoDB. This choice was made on the fact that it will integrate better with our OO system and also the fact that services like Mind Map PIM has the potential to attract many users. Benefits include:

- high write loads
- good for Big Data scenarios
- highly scalable
- document orientated storage

Software Architecture Interface

The system will be accessed via a web interface (our primary goal) and an Android app (as a secondary goal). The mind map will be presented in a fashion similar to the way that musicroamer.com displays related music artists (see next slide).

- At the center is the root node.
- Each social media platform has a node going out from the root node.
- Relevant information is displayed about each platform.
- User can expand any node to find relevant information about that node.
- The user can specify a ply depth to specify how many 'branches' the mind map should allow from a main node
- Should a node allow functionality e.g. Facebook node allows you to comment, this functionality will be provided in a panel to the right of the mind map

Software Architecture Interface

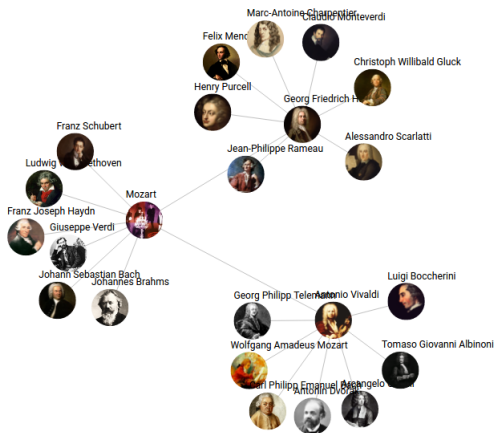


Figure : Music Roamer layout of a music mind map

The End