



UNIVERSITEIT VAN PRETORIA  
UNIVERSITY OF PRETORIA  
YUNIBESITHI YA PRETORIA

Software Requirements Specification and  
Technology Neutral Process Design  
Mindmap PIM  
Client: IMINISYS

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# **1 Introduction**

This project was proposed to the University by a company with the name of IMINSYS. The primary supervisor of this project is Morkel Theunissen.

# **2 Vision**

The vision of this project is to create an application that extracts data from various existing systems such as Facebook, Gmail etc; the application will then construct a mind map of this data. The user will be able to navigate and expand the nodes known as "bubbles". The main nodes will expand to show posts, images, emails etc that you have marked as important, were tagged in etc. This information will be displayed in an interactive website. The mind map will have filtering capabilities and basic transformations which can be applied to the mind map.

# **3 Background**

## **3.1 The client's problem**

## **3.2 Future business/research opportunities**

# **4 Architecture Requirements**

## **4.1 Access Channel Requirements**

## **4.2 Quality Requirements**

## **4.3 Integration Requirements**

We will be integrating our application with

- Facebook
- LinkedIn
- Gmail
- Google Calendar
- Google Notes
- Hangouts

## 4.4 Architecture Constraints

Technical constraints include:

- **Programming language** We will be developing the system in Java.
- **Operating system** The server will be run off a Linux machine.

Further there are no constraints and the architects have free roam to implement an architecture that suits their needs.

## 5 Functional Requirements and Application Design

### 5.1 Use Case/Services Contracts

### 5.2 Required Functionality

Functionality that should be included in the system includes:

- A login/sign up system.
- Adding various PIMs to your account.
- Interaction with PIMs directly from the mind map itself (commenting, emailing, etc).
- Expanding bubbles in order to find articles related to that bubble.
- Rapidly integrate new information into the system.

## 6 Open Issues