

<https://github.com/AvinashSingh786/COS301-Alpha.git>

University Of Pretoria

Software Requirements Specification and
Technology Neutral Process Design
A-Cube-N
Mind Mapped PIM

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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

We plan on using the following architectures

- Tom-EE
- REST
- MVC

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

5 Functional Requirements and Application Design

- Login System
- Choose Data Sources
- Set Branching Factor
- Share Node
- View Facebook Likes
- Comment on Facebook
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5.1 Use Case/Services Contracts

5.2 Required Functionality

6 Open Issues