

# Group 9 Project Memo

Tracking Interconnected Facebook Links  
with Graph Database Neo4j

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To our knowledge our 4th member has deregistered from the course

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# 1 Introduction

## 1.1 GitHub

For now I have created a repository <https://github.com/TJ721988/SEgroup9>, hope that's correct.

## 1.2 Project outline

Graphically represent a database, with which the user can interact: manipulate structures, shapes and colours. Nodes represent individual people or groups, while links symbolise the connection(friends, like a page, join a group...)

### 1.2.1 Back-end

The back-end is a Neo4j database, starting with 3 basic tables; People, Groups, Pages Groups and Pages are just lists of various groups, perhaps some properties too. People to be updated every time a new person joins the network, the table links to the Groups and Pages through foreign keys,

### 1.2.2 Front-end

The front-end interface displays the results of queries graphically. Not sure if the data just needs to be displayed or we need to identify and show patterns within the data.

## 1.3 Todo list

### 1.3.1 All

- Learn LaTeX basics
- Get an understanding of Neo4j and Neo4j Browser
- Refresh JSON and XML

### 1.3.2 Back-end

Clifford to set up the initial database

### 1.3.3 Front-end

Lindiwe and Thomas to work on data retrieval, display and manipulation,

Work load may need to be distributed, once we know which part will be the most work.

## **1.4 Design**

The input should allow data to be entered into the database, as well as to allow graphic manipulation

The output should be a graphic representation of the connections in the network

## **1.5 Management**

Once everyone is set up as a contributor on GitHub, anyone should be able to make changes and upload progress at any time.

- weekly updates on whatsapp group
- biweekly meetings, maybe before/after SE labs, to have more detailed discussion