Group 9 Project Memo

Tracking Interconnected Facebook Links
with Graph Database Neo4j

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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