Meeting memo

COMS3
Group 9
Tracking Interconnected Facebook Links
Using Graph Database Neo4j

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1 Meeting Summary

1.1 Key Points

- Clifford update on backend progress
- Changes
  - Using Twitter data
- TODO before next meeting
  - Update Python script (C)
  - Find out details about submission (L)
  - Test Python and Neo4j code (L, T)
  - Create meeting write-up (T)
- Look at browser set up, so that it starts with desired design

2 Greater Meeting Details

2.1 Backend

Due to difficulties in acquiring the Facebook data, we decided to use Twitter data instead. The Cypher queries need to be changed due to change of data, but the general structure remains similar.

2.2 Frontend

The switch from Facebook to Twitter data allows us to use the Tweepy tool for python, which greatly reduces the workload, and is the motivation to move from displaying in the Neo4j Brower to Python instead. Twitter data has the advantage over Facebook data that a graph has a better overview and a better structure.

2.2.1 Design

- Central Node for a person (Green)
- Node per tweet (Red)
- Node per retweet (Purple)
- Node per mention (Blue)

The initial step would be to set up a user, Big green central node. Each tweet this person makes is shown as a smaller red node, bridged(brown) to the person. Should a tweet be retweeted, a purple retweet node is created. Bridge to original tweeter and to retweeter(blue) and a bridge(red/pink) to the original tweet. Finally mentions of other people/tweets and replies are shown as little blue nodes, bridging the tweeter and person/tweet they mention/reply to.

After thought, the bridge from a retweet to the original tweeter should perhaps only show if the retweeter is a follower, or perhaps show in a different colour.

3 Next Meeting

Next meeting to be held on Thursday 28/09/2017 at 10:00 in the labs.

- First item of business is to finalise if python will work visually or if Neo4j Browser will be used.
- Next discuss the testing of the current code, and possible changes going forwards.
- Create a TODO list of what need to be done urgently.
- Look at skeleton code for final report, add list of ideas/concepts/design for the final document.