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## ATTENDEES

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## SYNOPSIS

Initial meeting to discuss project posting on COMP702 project system.

## NOTES

In a dynamic network network, both vertices and edges can change over time. For Temporal networks, the vertices are fixed, only the edges change over time (over the duration of the networks timespan). Temporal graphs offer more accurate information of the network/system when compared to a static graph representation. An open source library would provide a readily available toolset/package for the modelling of temporal networks, while also encourage collaboration through contributions to the package on github. Networkx is an example of an open source project for static graphing of networks.

The project can be split into stages. The first stage would involve research into the area and investigating any tools/packages that are already available. Any packages found can be reviewed and summarized in terms of what functionality is offered (is the framework specialized/general).

The second stage is deciding on an architecture for the tool. What classes would form the core framework, what definitions would they reflect. Temporal graphs can be implemented in many ways. A core library would be a good startpoint. After that, one could implement basic algorithms. The final library should be something that can be posted (useful for others) on an open source platform (github).

Since the final project is intended to be open source, there is a need to understand how to deploy and manage such a project. Community collaboration will also need to be organized.

Assigned project and setup 10am weekly meetings.

## ACTION ITEMS

- Start learning some of the theory surrounding temporal networks.
- Learn what packages are available for temporal networks (see where we are).