**Project Plan**

Project Title: Network Analysis on Reddit Hyperlink Network

Network: Social Network: Reddit Hyperlink Network

Team Members:

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Project Description:

As part of this project, we will compare different graph embedding algorithms to visualize hyperlinks between subreddits and evaluate the results with respect to centrality measures.

We will examine to what extent the triadic closure property is fulfilled by the nodes of this network and apply some graph partitioning algorithm to identify communities.

Furthermore, if time permits, we will test the performance of some machine learning algorithms to predict possible evolutions of the network.

Initial Timeline:

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| **Date** | **Event** |
| 01.31 - 02.02. | Familiarization with the network |
| 02.03. - 02.05. | Research and definition of concrete steps |
| 02.06. - 02.16. | Coding and evaluation of results |
| 02.17. - 02.23. | Writing project report and designing presentation slides |
| 02.24. | Last presentation practice |
| 02.25. / 02.27. | Project presentation |
| 02.28. | Project report due |