

# COM S 472 Term Project Proposal

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## 1 Outline

One of the team members, Michael Fulker, is currently an intern for a company that does management and maintaining of data about companies (relationships between companies, company executives, and similar information). The idea for this project was inspired by a full-time coworker of Michael, who stated it would be nice to be able to use some sort of AI system to analyze news feeds for changes in company relationships and similar information.

The project will be designing and implementing a system that will:

- Read news feeds from configurable source(s).
- Analyze the text of the news feeds to determine what category(ies) they correspond to (for some configurable set of categories), and notify the user as news items are read that fit these categories.
- The initial feed configuration will be for rss feeds from money.cnn.com.
- The categories that will be initially configured and trained will be:
  - Company relationship changes.
  - Company board member changes.
  - Executives changing.

The preliminary plan for the system is for it to be a web application (for presenting categories and their news items, as well as a means for the user to provide feedback to the system) with a background service that constantly checks feeds.

## 2 Member Roles

- Michael Fulker: Setting up feed reading module, coordinating AI training.
- Tony Hauber: Setting up Django framework for system.
- Tyson Williams: Algorithms expert.
- All: Development of AI module.