Objective
Our goal is to design a search system that understands the meaning of its indexed data. This will allow users to search for data based on time and place among other semantics.

Approach
We decided to split our group into 3 subgroups – Server, Crawler, and Usability. The Crawler team would focus on finding semantic info and news articles from around the country for the search engine to analyze and archive. The Server team’s job was to look at the article text and extract the entities and store them in the database. Finally, the Usability team would ensure that the search engine is as user-friendly as possible.

HOW IT WORKS

Team Members
CRAWLER TEAM
Ori Rawlings* (CS, 3rd year)
Dan Copeland (PS, 4th year)

SERVER TEAM
Evan Estola** (CS, 4th year)
Jay Mundrawala* (CPE, 2nd year)
Daniel Price (CS/CPE, 4th year)
Daniel Sirotzke (CS, 3rd year)

USABILITY TEAM
Max Kaim (PSYC/CS, 3rd year)
Steven Peterson (ITM, 4th year)
Laura Rodriguez* (CPE, 4th year)

*Team Leaders  |  **IPRO Leader

Group Goals
- Gain valuable experience and leadership skills
- Practice communicating research results
- Develop open-ended problem solving skills

System Goals
CRAWLER TEAM
- Capability to crawl multiple news sources
- Set up feeds from newspapers across the country

SERVER TEAM
- Enhance identification of entities in news articles
- Improve browsing of relationships between entities

USABILITY TEAM
- Unify project look and feel
- Improve website user interaction

Future Work
CRAWLER TEAM
- Crawler that adapts to new sources

SERVER TEAM
- Optimization for speed

USABILITY TEAM
- Expand user testing