* What is the problem you are solving?
  + The problem being solved is the lack of an existing search functionality in the GroupMe messaging app. Existing popular messaging platforms such as Facebook Messenger, Slack, and Discord all have an option to search through past messages, but GroupMe has no such functionality. This project will allow GroupMe users to search through their prior messages, as they would be able to in other apps.
* What data will you use?
  + The data on which the app is being tested is a collection of GroupMe chats. Although the total number of messages in these chats does not quite reach the targeted 100k mark, there is more than enough data to demonstrate a basic search functionality, even for less common queries.
  + The data on which the app could potentially be used in the future is any existing GroupMe chat, if the search tool is invoked on by one of the members in the chat.
* What work do you plan to do the project?
  + The project will involve creating a bot for GroupMe to automatically handle search queries. The components of the project include message crawling, search infrastructure, and query handling. The bot will continually crawl its groups for messages to stay up to date in its retrievals and to be notified of queries. Messages of a special format in the group will be considered queries. Whenever a query is processed, the bot will perform a search on its database and respond to the query.
* Which algorithms/techniques/models you plan to use/develop? Be as specific as you can!
* Who will evaluate your method? How will you test it? How will you measure success?
* What do you expect to submit/accomplish by the end of the semester?