1. What are the names and NetIDs of all your team members? Who is the captain? The captain will have more administrative duties than team members.

   Team Reddit Recommenders
   Kimberly Martin kjmarti2@illinois.edu
   Ethan Choi ethansc2@illinois.edu
   Anthony Safo as95@illinois.edu (team coordinator)
   Nico Calderon nac7@illinois.edu
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2. What topic have you chosen? Why is it a problem? How does it relate to the theme and to the class?

   We have chosen intelligent browsing and plan to extend the functionality of Reddit by scraping and ranking subreddit text to create a subreddit recommendation system. Subreddit recommendation is a problem because there are so many subreddits that it would be challenging for a user to find the most relevant subreddit pertaining to a search topic. This project relates to the class because it will use information retrieval techniques to add intelligence to the browsing capabilities of Reddit.

3. Briefly describe any datasets, algorithms or techniques you plan to use

   We plan to use text data from numerous subreddits as well as a ranking function like BM25 to produce a recommended subreddit based on the user's search topic.

4. How will you demonstrate that your approach will work as expected?

   We will demonstrate that the approach works as expected by showing the search results from our system and comparing it to the regular search results from Reddit.

5. Which programming language do you plan to use?

   We plan to use Python.

6. Please justify that the workload of your topic is at least 20*N hours, N being the total number of students in your team. You may list the main tasks to be completed, and the estimated time cost for each task.

Scraping & indexing subreddit data	20hrs
Implementing ranking function based on user search topic	30hrs
Creation of Chrome extension	25hrs
Testing & analyzing recommendation results	25hrs