CS 410 Fall 2021
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# Project Proposal

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.**

   - kaiyuandou (NetID: kdou3), *captain*

2. **What topic have you chosen? Why is it a problem? How does it relate to the theme and to the class?**

   The group project follows the *Intelligent Browsing* topic, by aiming to provide a browser extension for Chrome to crawl related data.
   With this extension it will be more convenient to save data that user interests.
   This extension would use text retrieval techniques to rank data in the website, when user types keywords, relevant data will appear for them to choose.

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

   For this project, the group will be using text retrieval to match user query (for keyword search).

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

   The group will test it in different situations to prove its efficiency.

5. **Which programming language do you 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.**

| Member | Task | Estimated Hours | Total (60 hours) |
|---|---|---|---|
| kaiyuandou | Extension design and programming, testing, writing report. | 20 | 20 |