**Your Project Title**

**Project Report**

**CS609**

**Spring 2021**

**(Implementation track)**

Team member(s):

1. **Introduction**

* Motivate the problem you work on in the project.
* Provide an example of a scenario where you'd use your solution
* Explain the goal of this project.

1. **System architecture**

* Include the architecture (as a figure) of the system that you implemented. The architecture should include multiple components.
* Explain the main functionality of each component.

1. **Technical solutions**

* Explain the data pre-processing (e.g., stemming and removing unimportant words for building index for search engines).
* Explain the algorithms you used for each component in the architecture (for example, if it is a search engine, explain which retrieval model you used).
* Explain the open-source software that you used in the project, if there is any. Include the link of the software with brief explanation of their main functionality.

1. **Experiments**

* Explain datasets you used
  + Link to these datasets if they are downloaded from Web
  + Data size
  + Number of features of the data
* Explain the computer environment you used for implementation and evaluation (CPU, memory size, OS)
* Explain the evaluation metrics you used
* Show the experimental results (can use figures and tables). Include the screenshot of your code execution window that shows these results as output. Explain the main observations from these results.
* Include the screenshot of your website, if there is any.

1. **Workload by each member (for team project)**

Explain the workload of each team member. Indicate clearly how the project work was divided among all team members (i.e., who did what parts of the project) and the number of (estimated) hours for each team member.

1. **Conclusion**

Summarize your project. Discuss what you have achieved and the possible challenges you have met during the project development. Discuss any future work if there is any.