CSE573 Final Project Evaluation

The plan for the evaluation of this project goes as follows:

* Set up environment
  + Includes starting up the react front end, this is to be hosted on localhost port 3000.
  + Includes also starting up the Apache Solr backend hosted on localhost port 8983.
* Prepare list queries that will be used to test the program.
* Vote application’s response as relevant or not relevant.
* Compute recall and precision:
  + **Precision**

Precision = # of relevant return posts / # of posts returned

* + **Recall**

Recall = # of relevant posts returned / # of relevant posts

**List of queries to test and the results for precision and recall**

1. What are covid symptoms?

Precision: 7/10

Recall: 7/11

1. How to prevent covid?

Precision: 6/10

Recall: 6/15

1. Is the vaccine safe?

Precision: 5/10

Recall: 5/11

1. What is a covid booster?

Precision: 6/10

Recall: 6/8

1. Covid variant

Precision: 9/10

Recall: 9/12

Total precision: 33/50 = 0.66%

Total recall: 33/57 = 0.57%