

CS 221 Project  
11/9/2016  
Due Friday 12/2/2016

From the syllabus: the project counts 10% of the course grade

**Develop a search engine for text files.**

The search engine should be able to "quickly" find documents which contain keywords entered by the user. If several documents match one or more keywords, then the document with the best match should be returned.

Your search engine should provide an interface for the following features:

- load file
- query keyword1 keyword2 .....
- exit

The user can load several files by repeatedly using the load feature and then search for keyword combinations.

You need to develop several classes for this – use the example we discussed in class and from the book as guidelines.

Use any data structure and algorithm of your own choice.

Your implementation should be well documented by having meaningful comments in your implementation.

In addition to the code you need to turn in a three page report including:

- Discussion of the data structures used in your implementation
- Rationale for your design
- Measure for quality of search
- Experimental results on time efficiency and quality of search