Criterion A: Planning

The problem I am tackling for my IA is for the ComOps department at AEP. ComOps deals with the buying and selling of power. They needed a way to find news about the price of power and really all things that would interest that department on consumer sites. The goal of my program will be to get a list of webpages that could be potentially relevant to a certain keyword. Google does not do this for them because Google a) does not do the best job of sorting by relevance in this instance, and b) does not write to a database. The client’s name is Joe Sheridan and he is in the ComOps department. A family member of mine has worked with him on a few occasions and that’s how I got in contact with him.

Tools Required

My Java program will search a list of sources for a given keyword and write the output to a database sorted by relevance. The sources will include most consumer news sites and will also include a Twitter API as well as the option to add more sources. Pre-installed sources will include

* <http://bbc.com/>
* <http://foxnews.com/>
* <http://www.huffingtonpost.com/>
* <http://www.nbcnews.com/>
* <http://www.nytimes.com/>
* <http://www.wsj.com/>
* <http://www.usatoday.com/>
* <http://news.google.com/>
* <http://www.rollcall.com>
* <http://www.latimes.com>
* <http://www.wired.com>
* <http://www.cnn.com>
* <http://www.npr.org>
* <http://abcnews.go.com/>
* <https://www.usnews.com/news>
* <https://www.yahoo.com/news/>
* <https://www.ap.org/en-us/>

In order to read these sources, I’ll need to use a third-party library. I also

Success Criteria

* Must search for the given keyword
* Results must be at least reasonable
* Execution time should be low
* Program must be efficient (multithreading)
* Interface must be intuitive and easy to use
* Output must be easy to interpret and easy to find
* Code must be readable with comments
* Interface should look modern