Rubric SE 311 – Software Architecture II
Winter 2016

Assignment #1 Submission Guidelines/Rubric

The rubric for assignment 1 is as follows:

40% - Clear Object oriented architecture visible in code
30% - Correct output when program is run
20% - Code clarity, use of comments, description of classes
10% - README file containing your name, a short description of directory structure, and a short paragraph about how your program reflects object oriented design.

Hints: When I mean object oriented architecture, this means your java code should consist of separate classes that break up the work of the KWIC program. For example, you should have a class that perform circular shifts on a given line, a class to handle output to the terminal, a class to parse the input file, etc. The ideal architecture should have classes that are **loosely coupled.**

Also, each sentence ends with a line break (\n), or a period (.), or both (.\n). Your parser should be able to parse out lines from input files that have these different types of lines.

Running the Code:

Your program should take 2 arguments, one of them optional.

1) –f <FILE.txt>, an input file containing lines to create a KWIC index
2) –s <STOP.txt>, a list of stop words to ignore when making the index

Argument **2** is optional. I should be able to run your program as follows

```
java KWICapp –f myfile.txt
```

or

```
java KWICapp –s stopwords.txt –f myfile.txt
```

Or similarly by importing your project into eclipse.

Note: The stop word file will be delimited by newlines.
So it will look like:

the
for
an
a
…
so on

The output of the program should resemble

```
Key             Value
-------------------------------------------------
Awakens             The Force

Back             The Empire Strikes

Clone             Wars The

Empire             Strikes Back The

Force             Awakens The

Hope             A New

Jedi             Return of the
… so on
```

Remember, the output has to be in alphabetical order.

Good luck. Remember, if you put some time into thinking about setting up the architecture correctly in this assignment, the next few assignments will be easier ☺ ☺ ☺

- Sheik