**Jacob Greer and Jonathan Wilson – CSIS 215-001 Lab 4 – Self-Ordered-Lists**

Approach Document

Notes throughout project:

* We will need to understand the concept of self-organizing lists and the three different heuristics behind them—the way they completely work
  + Will have to consult textbook for clarification on this
* We decided to utilize the included list.h/llist.h and add a few of our own functions to them to speed up the process (allowed by instructions for once)
* The print functions are included in their respective heuristic functions to keep main lean
* We were getting weird null pointer errors for a while until we realized it’s because test.txt wasn’t in our project folder. This was resolved by putting test.txt in the project folder. We also added a safeguard to exit the program with an “Error: text.txt not found” if this happens to anyone else
* The program works completely, although we are not completely sure why the char move-to-front heuristic test outputs “I-0” towards the end instead of at the front. But the rest works as expected.