Reflection Report – A2

For A2, I chose to do the first assignment: a user enters a filename, and then the program will scramble words from that file. To build this program, I followed these steps.

1. Build skeleton of program, including stub functions
2. Build helper function to check if file exists
3. Build function to get user input for filename, and check if it exists using above function
4. Parse the file and split it based on delimiters, using string position and length of string to properly split line into words
5. Build isWord (only alpha characters, so ‘ doesn’t count) and RNG function (uses randomizer package)
6. Determine if a substring should be processed for randomizing
7. Build scramble word function. Scrambles a word by ignoring first and last chars, then keeping a running list of all positions previously used. Build the word and return it
8. Print out either the scrambled or unscrambled word