**SRS Group Document (Cole and Dani)**

1. The system shall open a file.
2. The system shall have labelling of controls.
3. The system shall throw a ValueError if the file is unreadable.
4. The system shall store each value in the file as a string in a list.
5. The system shall iterate through the list and process each value based on the operator, the first two digits, and the operand, the second two digits (n).
6. The system shall add the accumulator value with the nth value of the list then store it in the accumulator if the system finds an add operator.
7. The system shall subtract the accumulator with the nth value of the list then store the result in the accumulator if the system finds a subtract operator.
8. The system shall truncate the accumulator down to 4 digits if the result of the addition or subtraction is more than 4 digits.
9. The system shall multiply the accumulator with the nth value of the list then store the result in the accumulator if the system finds a multiply operator.
10. The system shall divide the accumulator with the nth value of the list if the system finds a divide operator.
11. The system shall truncate the accumulator down to 4 digits if the result of the multiplication or division is more than 4 digits.
12. The system shall jump to the nth element in the list if the system finds a jump operator.
13. The system shall throw a IndexError if the operand result is bigger than the length of the list.
14. The system shall stop when the system finds a halt command or reaches the 100th element of the list.
15. The system shall print all elements of the list, then the value of the accumulator once the program finds a halt command or reaches the end of the list.

Non-Functional Requirements:

1. The system can support up to 100 elements in the list (memory.)
2. The system shall have README.txt to explain how to use the system.
3. The system shall have documented the classes within the system.