David De Leo (6-14-2024) - First Round

15 Functional Requirements:

1. Check the input file for input that cannot be parsed.
2. Check user input for input that cannot be parsed.
3. Verify that every line in the input file that will be run is runnable.
4. Check for out of bounds for numbers when doing mathematical operations.
5. Add 1 or more accumulators.
6. Add operation that can convert a char input to a string (ASCII value to string).
7. Add additional branch operation that branches dependent on number matching accumulator.
8. Add a compare operation that sets accumulator to zero if number matches accumulator.
9. Add a binary and operation.
10. Add a binary or operation.
11. Add an operator that can print multiple lines of number.
12. Add an operator that can print multiple lines of numbers and convert numbers to a string.
13. Add functionality that will remember the last input file used.
14. Add an authentication feature when opening UI.
15. Add a login feature that will log errors and successfully run files.

3 Non-Functional Requirements:

1. Add a color theme to the UI
2. Add a Logo to the UI
3. Add a recovery feature. Remember what file it was parsing and where in the file it was so that it can resume when it is started again.