List of features,

Our project’s features are very much fulfilling all the assignment’s requirements. Our application is unique in many features also, like we do parse the input file by reading the whole text then verify it’s syntax, if it passes with no errors, then we compile it or run it and send the expected output to the output screen.

Bellow are the list of features our application does have:

1. Two user interfaces, GUI we’ve got it as required, with main menu bar, status bar, input text window it can be multiple windows; one window for each file, output window and errors window.
2. Command prompt interface where you can pass the input file to be parsed as parameter argument to the application.
3. Capability of interpreting all SIL keywords determined at the assignment, INTEGER, BEGIN, END, IF THEN, LET, FOR , WHILE, FUNCTION AND OPERATORS.
4. Capability of interpreting nested if, for and while
5. Capability of evaluating mathematical expressions at any case, if used with let or print and at any level of complexity.
6. Capability of detecting and reporting syntax errors with line number and nature of the error before proceeding to execution.
7. Capability of detecting and reporting run time errors.