WHY DO YOU NEED TO PRESENT:

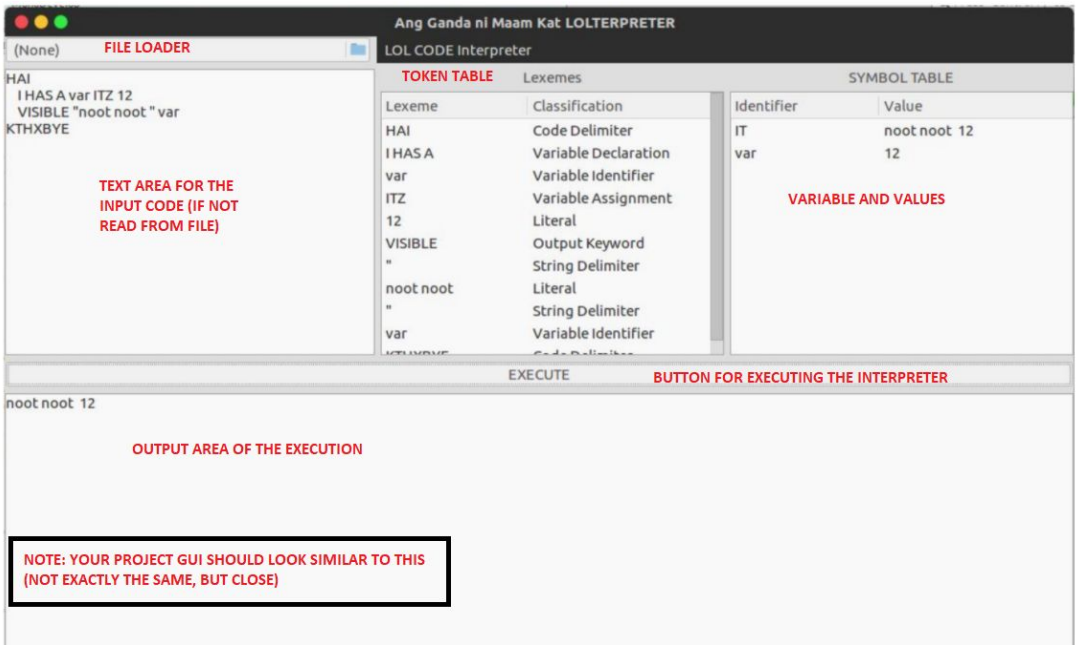
- The progress presentations are required to guarantee that you are coding the interpreter correctly, thus lessening the possibility of re-coding in the succeeding presentations.

WHAT TO CREATE:

- For project presentation #1, you need to create a lexical analyzer. Basically, you just need to create a code that identifies lexemes of your input submission part or .lol file. You need to create a token table of the keywords, non-keywords, literals, and other parts of your code, and assign a classification to them. You don't need to follow the terms used in the classification from the example. You can label them with whatever you want as long as the user will be able to understand it easily. Logically, this is kind of just like your exercise #8 (Rust Part 2), just more detailed.
- CLICK HERE FOR THE FULL PROJECT SPECIFICATION

An Example Project Run

- You may use **any programming language** that you want. During undergrad, my group used C# for the programming and Visual Studio for the User Interface.
- A Graphical User Interface (GUI) is required.



Example GUI from the Project Specification

- You are NOT ALLOWED to use Flex/Lex or YACC/Bison or Parsing Expression Grammars (PEG) or any lexer/parser generator tools. You are required to implement your own lexical and syntax analyzer.

HOW TO PRESENT/SUBMIT (EITHER OF THE TWO):

- You can present your project live using Zoom, Discord, or Google Hangouts (whichever you prefer).
- You can record yourself/group presenting your project and submit the video.

WHAT TO PRESENT/SUBMIT:

- The sample run of your code - what it looks like, what it accepts, what the output is, etc.
- An explanation of how your code works - how did you separate the lexemes?, etc.
- Some plans for the next submission.

WHEN TO PRESENT/SUBMIT:

- If you are going to present live, you need to schedule it during your Laboratory Hours (or some normal work hours). The presentation is either on November 13, 16, or 17. Also, you have to inform me if you are going to opt for this one.
- If you are submitting a video presentation, you can submit until 11:59PM, November 17, 2020.

NEXT PRESENTATIONS/SUBMISSION:

- For project presentation #2, you need to create a syntax analyzer. You need to check now if the syntax is correct. Just like a typical interpreter/compiler. **DUE: NOVEMBER 24, 2020**
- For project presentation #3, you need to create a semantics analyzer. The program must now be able to run and execute your commands. Just like a typical interpreter/compiler. **DUE: DECEMBER 1, 2020**
- You will still have a final project presentation - this will probably be a live presentation using Zoom. We still don't have final instructions about this. Just wait. Let's focus on the project milestones first.

NOTE: If you are wondering why every Tuesday, that's because my last lab class for CMSC 124 is Tuesday (Friday is the first lab on the schedule since the sem started on a Wednesday).