EECS 348 Group Project

Team Log

Meeting: 4
Purpose: Review Finalized Software Requirements Specifications and Delegate Tasks for Programming
Attendees: Everyone - Katie, Shravya, Evans, Ibrahim
Location: Zoom
When: 3/23/2024 4:00-4:30
Note Taker: Katie

Summary

During this meeting, we reviewed our final version of the Software Requirements Specification Document. Then we discussed how our program should work from a programming stand point. We came up with the following tasks and who they will be assigned to:

Tasks:

Get user input/interpret and parse input - Ibrahim

Evaluation of Boolean values using supported operators - Evans and Shravya

Parentheses handling - will be decided later

Error handling - Katie

We will begin by creating code that can process simple expressions and then move on to more difficult expressions. We decided to build functionality in the following order:

1. Handle simple expressions such as T | F.

2. Handle expressions with multiple operands and infer precedence for instance, A | B & C will be interpreted as A | (B & C).

3. Handle expressions with parentheses.

We also came up with an idea to let user's enter custom variables with Boolean values that we may implement at a later time. The flow of the program would allow the user to enter labels for variables and their corresponding Boolean values. Then let the user enter expressions which reference the variables and evaluate the expressions accordingly.

The flow would essentially be:

```
Enter Mode:
1. Define variable values -- optional
        - Allow user to define label and truth value for variables
                Ex. Label: A
                      Value: T
                Ex. Label X
                    Value: A | B -- optional feature for dynamic variable values

2. Enter Expression
        - Ex. (A | T)
        - Return value of the expression based on pre-entered variables
```