Auddard & Co.

10.3.23

MINUTES

# **Summary of Tasks/Deliverables**

**Deliverables:**

1. Common software engineering artifacts
   1. [Project management plan](https://docs.google.com/document/d/1E5Eo3TXDzkz4rapp7cAHbUlntVfbUvazfcmYS1q0U28/edit?usp=sharing)
   2. [Requirements document](https://docs.google.com/document/d/1xdC7qqvIDG9XGu1UBNUu6sICebp4K1n9fy0mbIdP2kQ/edit?usp=sharing)
   3. Design document\*\*
      1. Seamlessly aligns with the specified requirements
   4. Test cases\*\*
2. Well documented C++ program that can evaluate arithmetic expressions with the specified operators and features
3. A user manual or README file explaining how to use the program, including examples

**Project Tasks:**

1. Expression Parsing:
   1. Implement a function to tokenize the input expression
   2. Create a data structure, such as a stack or a tree, to represent the expression’s structure
2. Operator Precedence:
   1. Define the precedence of the operators according to the PEMDAS rules
   2. Implement the logic to evaluate the expression while considering operator precedence
3. Parenthesis Handling
   1. Develop a mechanism to identify and evaluate expressions within parentheses
4. Numeric Constants:
   1. Recognize numeric constants in the input. Initially assume the input will be integers only. In the future, there may be a request to accommodate floating point input values also so you experience change requests and embracing changes
5. User Interface:
   1. Create a user-friendly and legible command-line interface that allows users to enter expressions and displays the calculated results
6. Error handling:
   1. Implement robust error handling to manage scenarios like division by zero or invalid expressions

**October 3rd, 2023**

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Meeting Commenced: 8:02 PM

Meeting Adjourned: 8:28 PM

Location: Zoom

Attendance:

* ~~Sriya Annem~~
* ~~Lauren D’Souza~~
* ~~Ella Nguyen~~
* ~~Morgan Nguyen~~
* ~~Audrey Pan~~
* ~~Tanu Sakaray~~

Additional Notes: 100% attendance

**Meeting Goals/Agenda:**

1. Discuss grade for Assignment 1
   1. [README](https://docs.google.com/document/d/13Td4sLKImJwe7k3UASOsVCb6ygsJVrKHXL8jJ6VMbIg/edit?usp=sharing) file needs to be written
   2. REMEMBER TO ADD MINUTES TO GIT
2. [Software Requirements Doc](https://docs.google.com/document/d/1xdC7qqvIDG9XGu1UBNUu6sICebp4K1n9fy0mbIdP2kQ/edit?usp=sharing)
   1. HAVE FINISHED BY SUNDAY, OCT. 8
   2. Briefly go through specific sections together
      1. Section 2-4
   3. Do we still want to assign a specific person to each section to have them write what we have discussed more formally in the Requirements Doc?
      1. Section 1 - Sriya
      2. Section 2 - Tanu(pt 1) Lauren (pt2)
      3. Section 3 - Audrey
      4. Section 4 - Ella
      5. Section 5 - Morgan