Group 14 Final Project Write-up

GitHub Repo: <https://github.com/farreled/CS3003Summer2021FinalProject>

YouTube Video:

Project Responsibilities:

* Ned Farrell (farreled)
  + Binary Operator
* Armen Krikorian (krikorad)
  + Control Structure
* Will Schreiner (schreiwa)
* Kevin Slyh (slyhkt)
  + New data type

Documentation Additions

A.1 Lexical and Concrete Syntax of Clite

Type -> int | bool | float | char | double

Literal -> Integer | Boolean | Float | Char | Double

Float -> Integer . Integer f

Double -> Integer . Integer

AddOp -> + | - | +\*

UntilStatement -> until ( Expression ) Statement

A.2 Abstract Syntax of Clite

Type -> int | bool | float | char | double

ArithmeticOp = + | - | \* | / | +\*

DoubleValue = Double doubleValue

A.3 Type System of Clite

A.4 Semantics of Clite

A.5 Adding Functions to Clite

Screenshot/Demonstration of Test Code

Video: