

AE CALCULATOR

USE CASE

1. The System **presents** three main Features
2. The user then picks his/her desired feature to be used
3. The System **presents** a list of formulas classified under the main Feature
4. The user then pick/select his/her desired formula
5. The system **asks** the user the value of the variables and unknown values needed in the formula
6. The system then **validates** the given values
7. The system **process** the given values and equation and present the output/answer to the user
8. The system **repeats** steps 1-7 until the user is satisfied and picks to end the program
9. If the user chose to **end** the program, the program ends

NOUNS(Candidate Classes)

User - Actor that is outside the system , hence no class needed.

Feature - Is an output in our system, something that we simplified and modeled in our system

Formula - An input in our system that is a separate entity to the main program

Variables - An input in our system that varies depending on the formula to be used

VERBS (Candidate operators)

Presents

Asks the user - we utilize a series of input print statements to handle this

Validates the given values

Process the given values

Repeat steps - we utilized a loop to handle this

End the program