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Calculator Pseudocode

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This calculator is designed for the purpose of students learning how to use the three basic operators: addition, subtraction, and multiplication, with the use of entertainment, similar to video games that kids enjoy, and the designs that kids love.

Shows logo and allow user to select option

While users doesn’t select x or “Exit”

If user selects “time mode”

Users will be presented with three options “addition, subtraction, and multiplication” to choose from.

While time is > 0

Problems presented with box to input answer

If answer == correct, counter + 1 and next problem

Else wrongCounter + 1

If wrongCounter != 3, next problem

Else shows example with steps and go back

Prints out user’s correct answer counter

Play again or back to the main menu?

If user selects “quiz mode”

Users will be presented with three options “addition, subtraction, and multiplication” to choose from.

While problemLimit is > 0

Problems presented with box to input answer

If answer == correct, counter + 1 and next problem

Else wrongCounter + 1

If wrongCounter != 3, next problem

Else shows example with steps and go back

problemLimit decrease by 1

Print user score and store in high scores

Play again or back to the main menu?

If user selects “practice mode”

Users will be presented with three options “addition, subtraction, and multiplication” to choose from.

While user doesn’t select return to main menu

Problems presented with box to input answer

If answer == correct prints “good job” and next problem

Else wrongCounter + 1

If wrongCounter != 3, next problem

Else shows example with steps and go back

If user selects “calculator”

Basic calculator I don’t know what to say here, should be simple enough

Return button

If user selects “high scores”

Display usernames and scores in descending order top to bottom

Option to return to main menu

Box message after application closed that says “Come back soon :)”

Many beautiful designs that kids love will be implemented in the near future when that has been decided.

Visual rewards are still in progress

More features and improvements are still in progress

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