**USE CASE DIAGRAM DESCRIPTION**

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| Use Case Title: Calculator |
| Primary Actor: User of the calculator |
| Level: White |
| Stakeholders: User of the calculators, Programmers |
| Precondition: User opens up the calculator program and enter the data |
| Minimal Guarantee: Recalculate the error calculation |
| Success Guarantee: The result of the given data instructions |
| Trigger: Starting to analyse the given data instructions |
| Main Success Scenario:   1. User gives the data instructions 2. User presses the enter button or clicks the equal button. 3. Calculator analyse the given data instructions and calculates the data instructions. 4. Calculator shows the result of the given data instructions. |
| Extension:  1a. Error message appears because invalid data instruction was inputted.  1a1. User presses the clear button and starts over.  1a2. User exit from the program.  2a. Too big of a number error appears.  2a1. User clicks the clear button and starts over.  2a2. User closes program.  2b. Too small of a number error appears.  2b1. User clicks the clear button and starts over.  2b2. User closes program.  3a. Calculation is interrupted.  3a1. Calculation is rolled back to the beginning. User starts over  3a2. Calculation is rolled back to the beginning. User closes  program. |