Final Project Proposal: Calculator

**Summary**

Calculator is an electronic device which helps the user with simple and easy mathematical calculation. Users can do various mathematical calculations like addition multiplication, subtraction, and division. The user can also reset the whole process to do the new calculation.

* The UI will have 16 buttons from 0 to 9 with the addition (+), subtraction (-), a multiplication (\*), division (/) and a decimal (**.**). It will have an ‘equals-to’ button get the results of the user’s calculation
* The equals to button will then give the user the result of the calculation and automatically reset.
* If the user decides or presses the wrong button, then the user can simply press button(**‘C’**) to reset the whole process and start from the beginning.

**Requirement**

|  |  |
| --- | --- |
| **Requirement** | **Features** |
| Java Fx User Interface | Calculator buttons and UI components |
| File Input/Output | Import/exports the user’s calculation |
| Advanced Topics | Play sounds.  Resetting the calculator after each output |