Calculator project

Problem Statement:

-Build a web-based calculator similar to that of windows.
-The buttons should be web buttons.

Documentation:

-Build a web-based calculator that doing most of standard operations whether multiple operands operations like addition, subtraction, multiplication, etc… or single operands operations like square, inverse, etc…

-Build simple UI design "*front end*" that shows a simple interface for user like buttons and display screen.

-Perform calculation in the server side "*back end*" like addition, subtraction, multiplication, etc…

-Handling any errors whether from front end or back end.

Assumptions:

-Display screen always display **0** in first or after calculate any operations.

-The symbol **%** it's modulo operation.

-When user divide by zero or modulo by zero, it is leading to display **ERROR** to user.

-After any **ERROR** the previous operations will be cleared

-User can choose single operand operation in the first only.

-User can repeat single operand operation many time in the first.

-User can't choose single operand operation in middle of calculations.

-User can delete number in the current input by pressing ⌫ , delete the current input by pressing **CE** and delete all operations by pressing **C**.

Used tools:
Front end: **VUE.JS** frame work based on **HTML**, **CSS** and **JS.**
Back end: **Spring boot** frame work based on **JAVA.**

Recourses:
– https://angular.io/tutorial
– https://spring.io/guides/gs/spring-boot/