

Engineering Notebook - Daily

Course: Application Development

Intern Id: 170004

Intern's Name: G. Jawahar

Period: 2018-02-12 to 2018-02-12

Notes:(Record key insights from readings and discussions.)

Week -6

Monday: -

User stories for double calculator

1. As a user, I want a calculator that show a column for entering value 1, so that I can my value for calculation.
2. As a user, I want a calculator that show a column for entering value 2, so that I can enter a value 2 for calculation.
3. As a user, I want a calculator that can show an error message “No Value Found” when I does not enter a value in 1st operand, so that user I can know that I should enter a value in operand 1.
4. As a user, I want a calculator that can perform operation, even if I enter a negative value in operand 1, so that I can perform my operation.
5. As a user, I want a calculator that has plus (+) button on the window, so that I can perform addition of the two numbers in the two operands.
6. As a user, I want a calculator that has plus minus (-) button on the window, so that I can perform subtraction of the two numbers in the two operands.
7. As a user, I want a calculator that has plus multiply (*) button on the window, so that I can perform multiplication of the two numbers in the two operands.
8. As a user, I want a calculator that has plus divide (/) button on the window, so that I can perform division of the two numbers in the two operands.
9. As a user, I want a calculator that has plus square root ($\sqrt{}$) button on the window, so that I can perform square root of the number in the first operand.
10. As user, I want a calculator that shows the symbol “E” in output results when I enter more than 7 digits in operand 1, so that I can the digit entered is longer than 7 digits.
11. As a user, I want a calculator that shows an error message above the operand 1 “ *** Error Invalid value ***” as soon I enter a value other than “0 -9 and decimal numbers I. e .5, .8 etc.” in operand 1 , so that I can change the value.
12. As a user, I want a calculator that show an error message “No Value Found” when I does not enter a value in 2st operand, so that user I can know that I should enter a value in operand 2.
13. As user, I want a calculator that shows the symbol “E” in output results when I enter more than 7 digits in operand 2, so that I can the digit entered is longer than 7 digits.
14. As a user, I want a calculator that shows an error message above the operand 2 “ *** Error Invalid value ***” as soon I enter a value other than “0 -9 and decimal numbers I. e .5, .8

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etc.” in operand 2 , so that I can change the value.

15. As a user, I want a calculator to perform operation, even if I enter a negative value in operand 2, so that I can perform my operation.
16. As a user, I want a calculator that show exact value when I enter decimal values in both operand 1 and operand 2 i.e. for example the multiplication of 0.1 And 0.2 is 0.02 but my calculator should show 0.020000000000000004, so that I can get exact value for such types of numbers.
17. As a user, I want a calculator that show exact signs for multiplication operation i. e for example -1 and -2 should show 2, so that the answer can be precise.
18. As a user, I want a calculator that show an error message “This division is invalid” when I enter a value “0” in operand 2 and perform division.
19. As a user, I want a calculator that show exact signs for division operation i. e for example – “1 and -2 when we divide should show $\frac{1}{2}$ ”, so that the answer can be precise.
20. As a user I want a calculator that when I perform root operation for negative it shows NAN, so that I can get that it is still not implemented.
21. As a user I want a calculator that performs root operation for, positive values and decimal values, so that I can calculate the root for any value.

Deliverable Status

Deliverables	What did you plan to accomplish	What did you actually accomplish	Size	Effort
Science and engineering calculator (part 3).	To discuss the requirements in team meeting, understanding the requirements. And divide the work.	Discussed the requirements in team. Understand the requirements.	10%	1 hour