Home task: ask questions you need to clarify in order to create comprehensive requirements which will allow you to develop this application.

Questions:

1. Platforms:
   1. Which platforms should the calculator support?
   2. Which operating system versions should the calculator support?
   3. Which browser versions should the calculator support?
2. Calculation History:
   1. Is a calculation history needed?
   2. What should it look like to the user?
   3. Is it possible to clear the calculation history?
   4. Is it possible to delete only certain calculations from the history?
   5. Is it possible to edit calculations from the history?
   6. Are there any security requirements?
3. Scientific Mode:
   1. Will scientific mode use sine?
   2. Will scientific mode use cosine?
   3. Will scientific mode use tangent?
   4. Will scientific mode use cotangent?
   5. Will scientific mode use logarithm?
   6. Will scientific mode use natural logarithm?
   7. Will scientific mode support any kind of exponentiation?
   8. Will scientific mode support any kind of root extraction?
   9. Will scientific mode support factorial?
4. Normal mode:
5. Both modes:
   1. Should fractions be supported?
   2. Can a user enter multiple operations in a row into the calculator?
   3. Should brackets be supported?
   4. Should floating point numbers be supported?
   5. Should the calculator and the calculation history window be displayed simultaneously?
   6. What is the maximum number of elements (numbers and special characters used in calculations) that can be entered in the calculation line?
   7. What is the maximum number of elements that can be displayed as a result of calculations?
6. Errors
   1. What error text should appear when dividing by zero?
   2. What error text should appear when extracting from under the root of an even power of a negative number? (4√-8, for example)
   3. What error text should appear when trying to enter invalid data (prohibited special characters and letters)?
   4. What error text should appear when entering elements greater than the maximum in the calculation line?
   5. What error text should be displayed when the answer exceeds the maximum number of elements?
7. Interface
   1. What should the mode switching method look like from the user's point of view?
   2. What interface languages ​​should the application support?
   3. Are there any accessibility requirements for users with disabilities?
   4. What color should the background be?
   5. What color should each of the buttons be?
   6. What should the calculation history look like?
   7. Should there be customization support for changing the background and button colors?
   8. What should the error look like?
   9. What should the application icon look like?