The rationale behind the way this app was made was very straight forward, I went on the app store a typed in calculator and picked the best looking one in my opinion and just tried to mimic it. The way the app works is it has 4 primary working variables, 3 are input, and one is output. The first input is the first number you type in, the second input is the operator that is selected, and then the last input is the last number you select. The output is the operation with the information’s output. The challenges I faces were primary with the debugging aspect of the program specifically getting the clear and delete buttons to span the top row without messing up the rest of the number and operation buttons. To overcome this challenge I used stack overflow where they were a lot of documentation for styling, and ChatGPT that gave me common practice methods that would help achieve this. Another issue I had was when numbers got too big the program would give an error so for this I googled how to prevent this from happening and saw that there was a way to limit the digits that are outputted and use scientific notation instead. This was probably the lengthies time for the project because of the RegExp() expression as there was not a lot of documentation for it and ChatGPT was doing a poor job of explaining it.