Design UI and build backend functionality for calculator react JS web application from scratch.

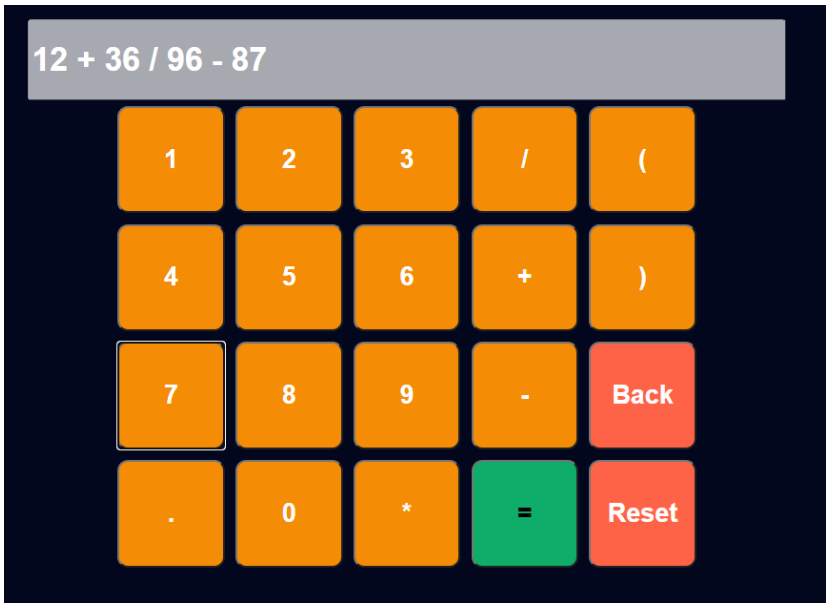
This Web Application contains three Calculators.

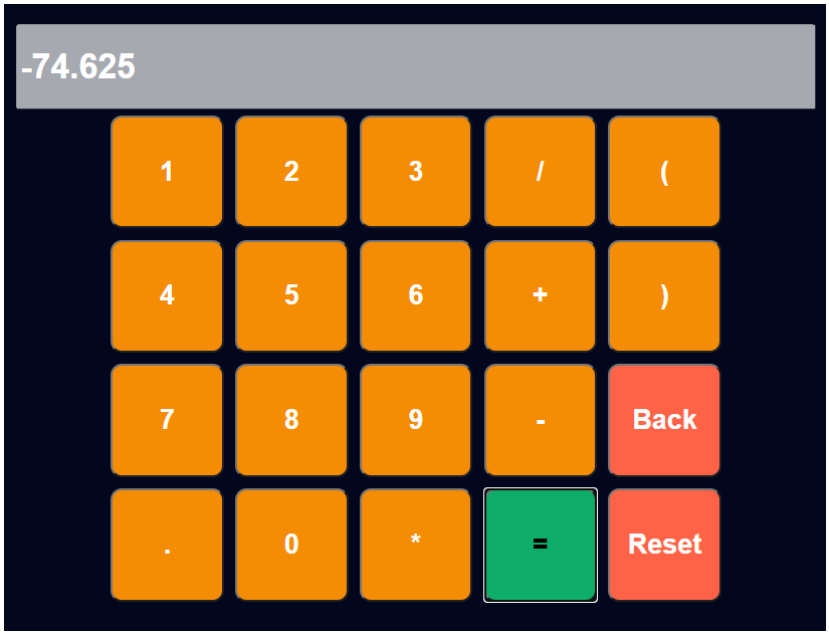
1. Standard Calculator.
2. Scientific Calculator.
3. Date Calculator.

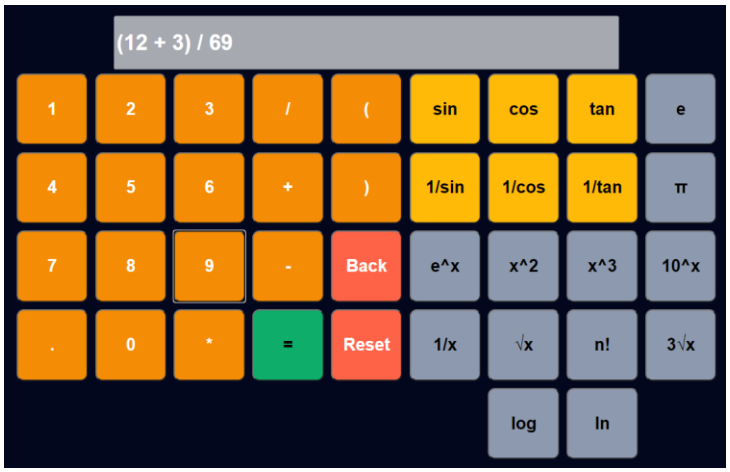
Functions:

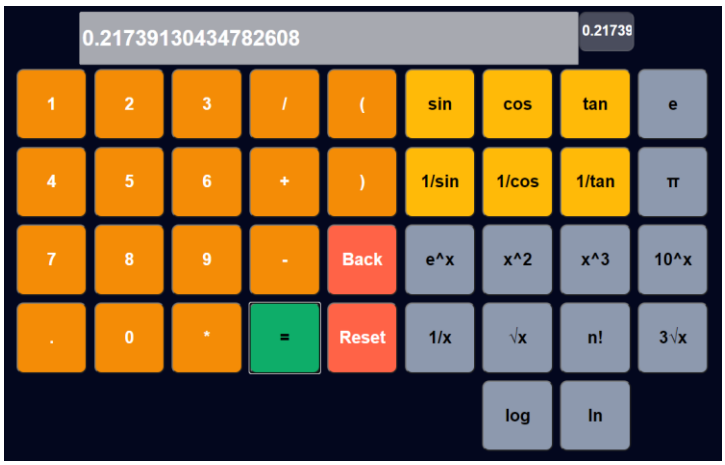
1. The Equation or the arithmetic entered is parse to function to obtain the result.
2. Trignomentric and Log functions implemented using Math library.
3. Constants (e and PI) obtained from Math functions.
4. Date Picker component used for the Date calculator.
5. Keypad Component and Scientific Keypad components extracted from the Calculator.

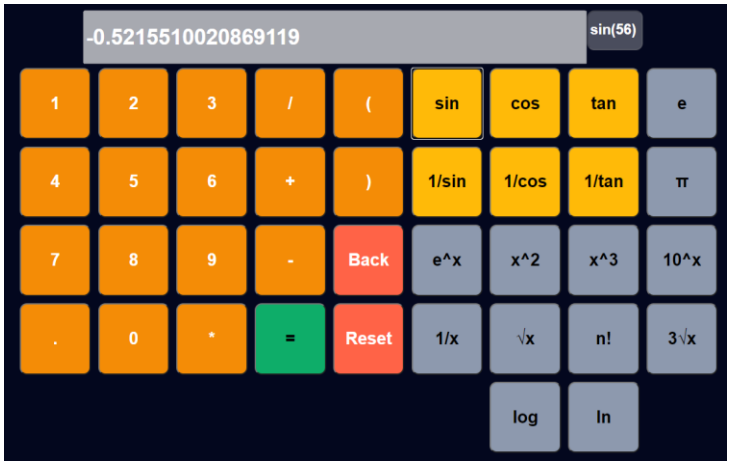
Output:

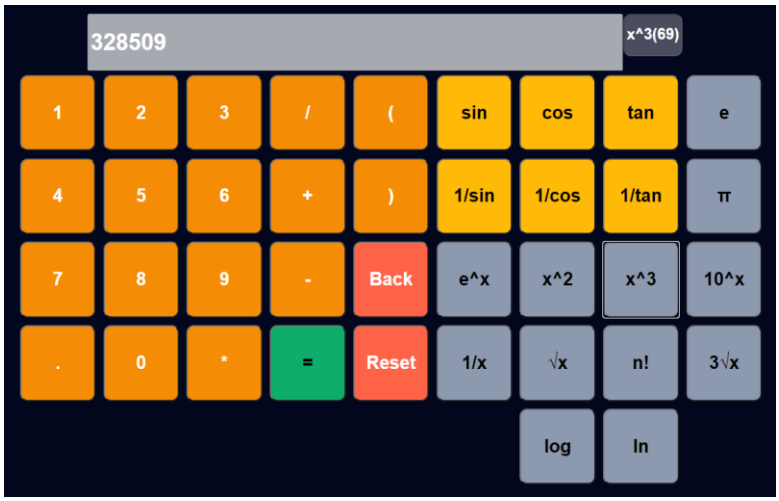


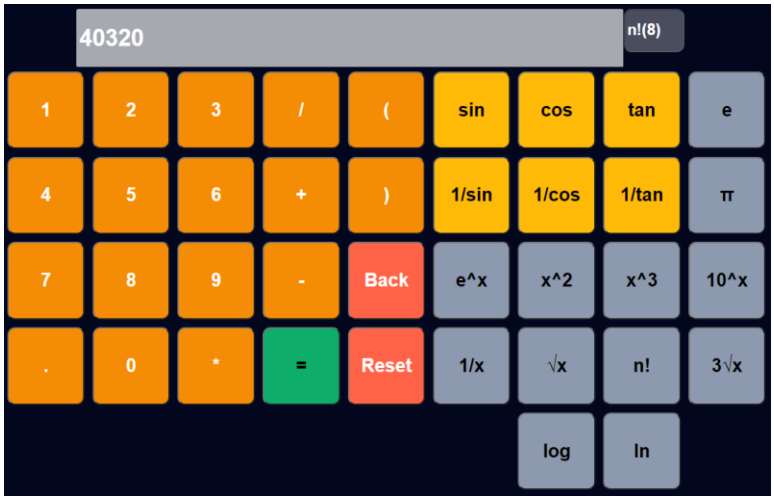

-74.625
1
2
3
/
(
4
5
6
+
)
7
8
9
-
Back
.
0
*
=
Reset

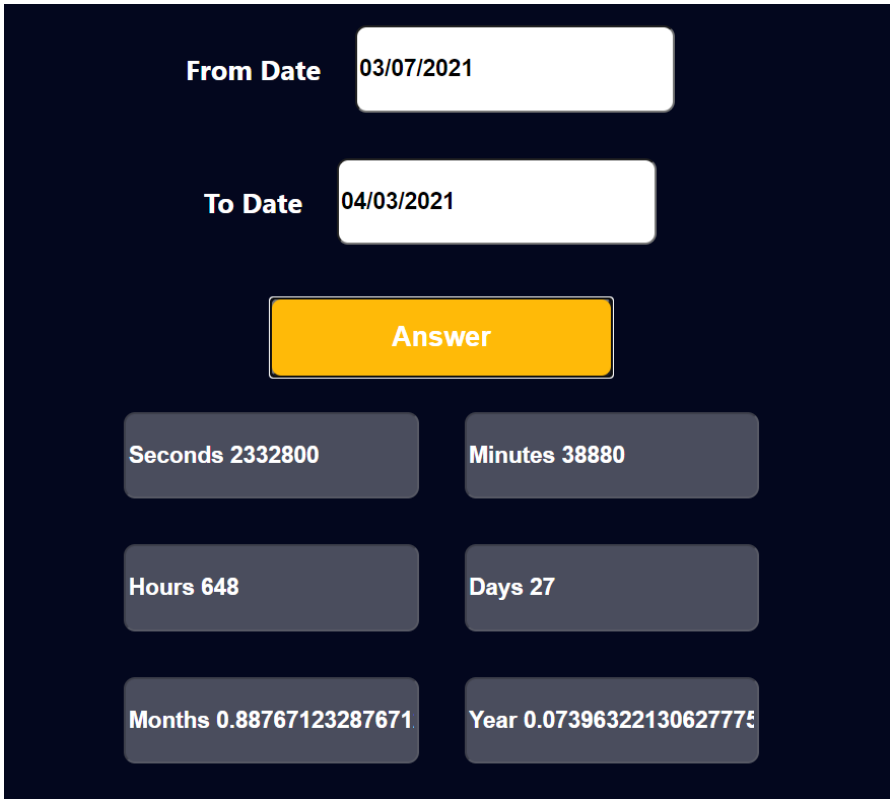

(12 + 3) / 69
1
2
3
/
(
sin
cos
tan
e
4
5
6
+
)
1/sin
1/cos
1/tan
π
7
8
9
-
Back
e^x
x^2
x^3
10^x
.
0
*
=
Reset
1/x
√x
n!
3√x
log
ln


0.21739130434782608
0.21739
1
2
3
/
(
sin
cos
tan
e
4
5
6
+
)
1/sin
1/cos
1/tan
π
7
8
9
-
Back
e^x
x^2
x^3
10^x
.
0
*
=
Reset
1/x
√x
n!
3√x
log
ln


-0.5215510020869119
sin(56)
1 2 3 / (sin cos tan e
4 5 6 +) 1/sin 1/cos 1/tan π
7 8 9 - Back e^x x^2 x^3 10^x
. 0 * = Reset 1/x √x n! 3√x
log ln

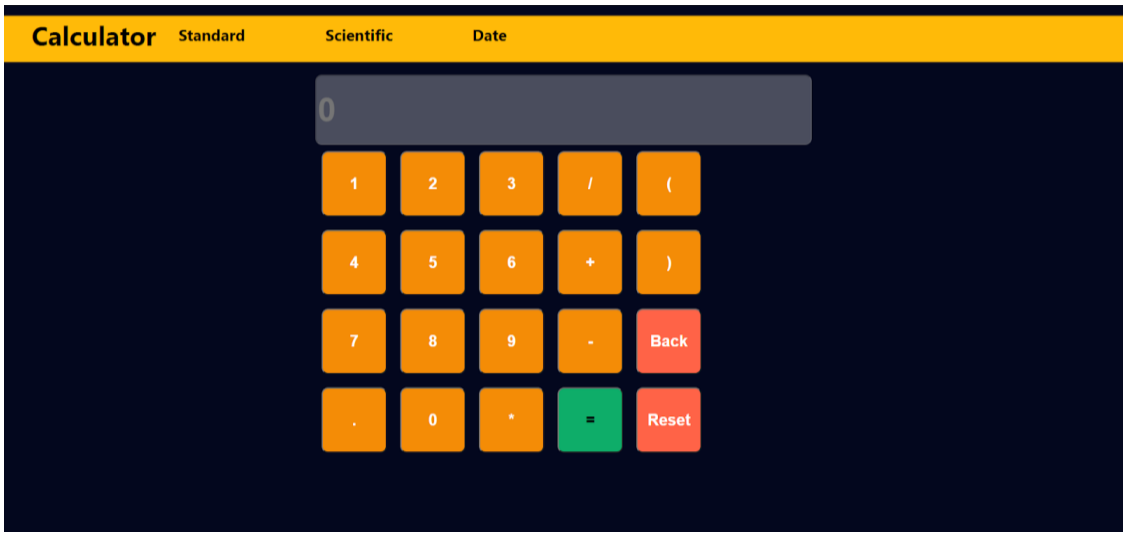

328509
x^3(69)
1 2 3 / (sin cos tan e
4 5 6 +) 1/sin 1/cos 1/tan π
7 8 9 - Back e^x x^2 x^3 10^x
. 0 * = Reset 1/x √x n! 3√x
log ln


40320
n!(8)
1 2 3 / (sin cos tan e
4 5 6 +) 1/sin 1/cos 1/tan π
7 8 9 - Back e^x x^2 x^3 10^x
. 0 * = Reset 1/x √x n! 3√x
log ln

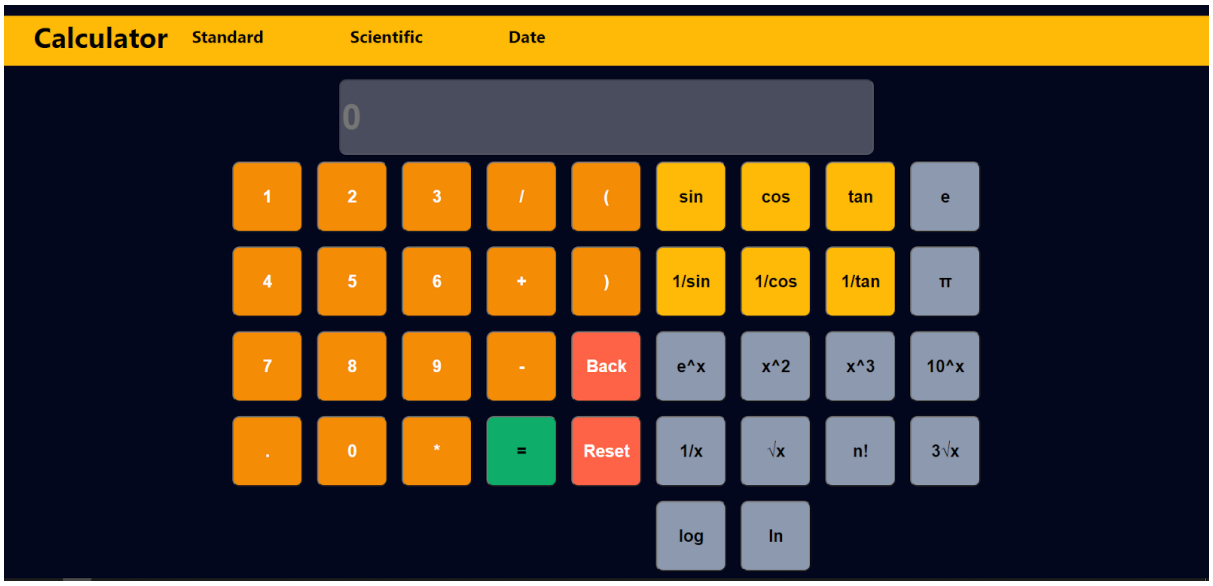
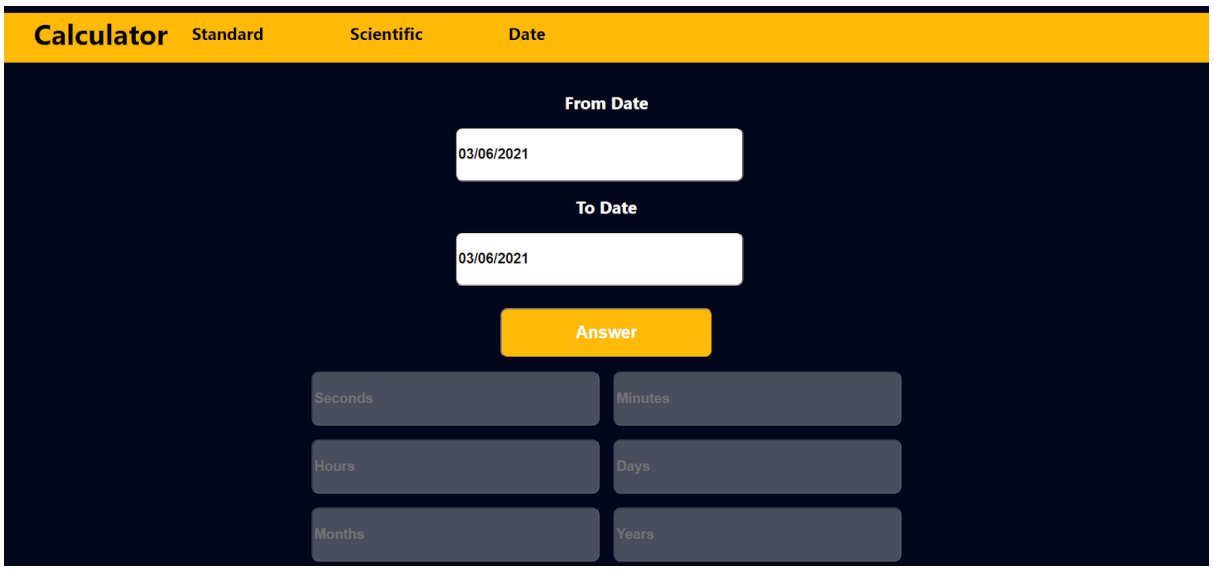


UI Design of Calculator

Standard Calculator:



Scientific Calculator:



Date Calculator: