ANDROID APPLICATION FOR NICA COMPLEX MANAGEMENT

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LABORATORY OF HIGH ENERGY PHYSICS

SLOW CONTROL
STUDENT PRACTISE

SUPERVISOR – mgr inz KRYSTIAN ROSLON

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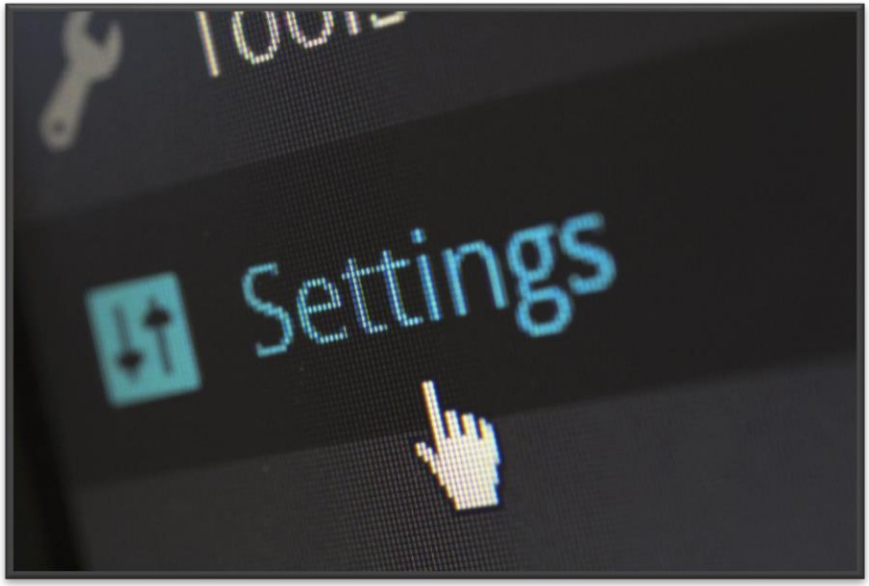
Our purpose



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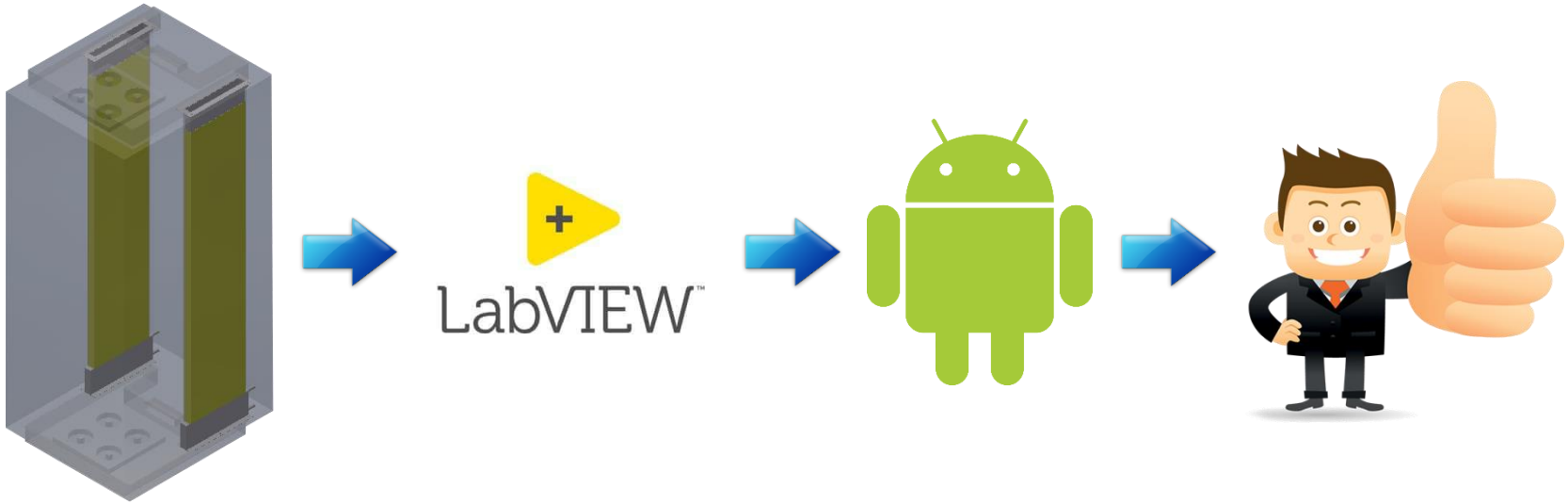
What was our expectation?



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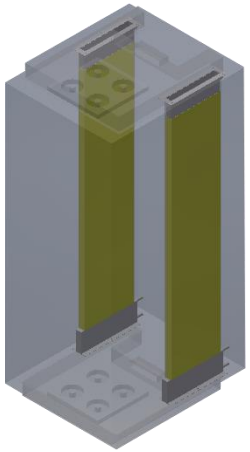
How does it work?



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2296 LINES OF XML AND JAVA CODE WRITTEN IN ENVIRONMENT *ANDROID STUDIO*

```
        determinate_vav();
        show_subButtons();
        show_vav();
        show_temp_and_hum_indicators();
        hide_error_raport();

        final ReadFromSQLClass sql = new ReadFromSQLClass();
        exec.execute(sql);                          // Thread reading variables from mySQL database

        lab.sql = sql;

        if (!lab.isAlive())
            exec.execute(lab);                      // Thread reading from ReadFromSQLClass and updating indicators
});

subButton1.setOnClickListener((view) → {
        sub1isSelected = true;
        sub2isSelected = false;
        sub3isSelected = false;
        sub4isSelected = false;

        subButton1.setBackground(getResources().getDrawable(R.drawable.but_col));
```

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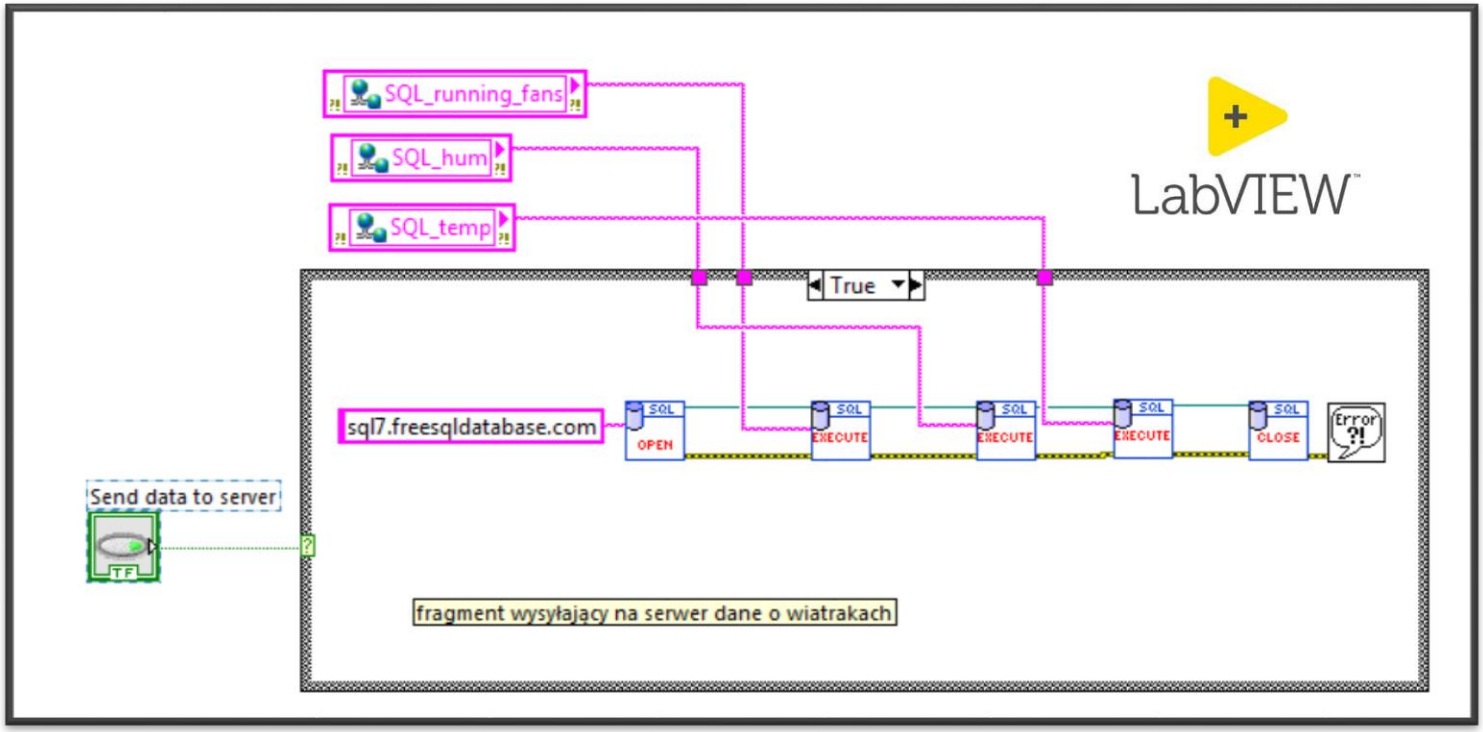
LABVIEW mySQL CONNECTOR



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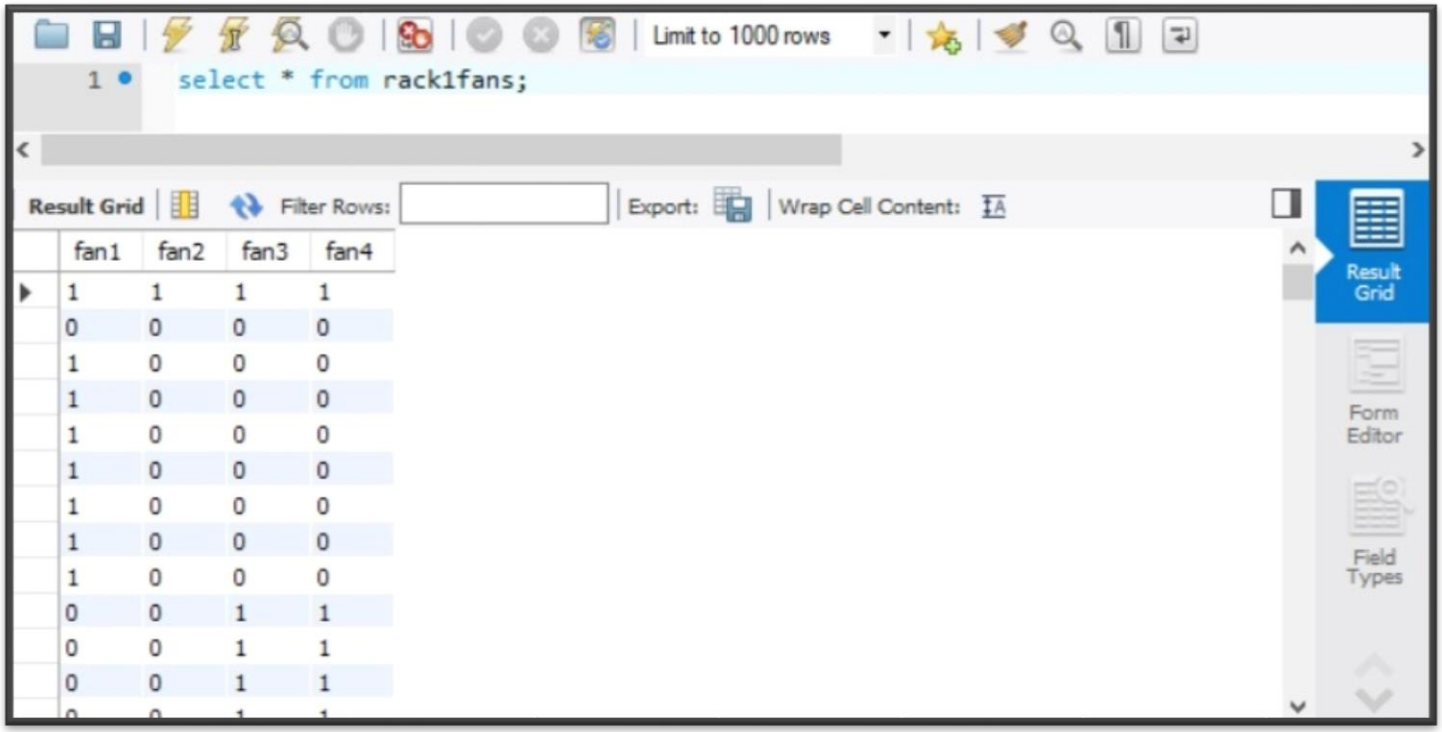
mySQL DATABASE



fan1	fan2	fan3	fan4
1	1	1	1
0	0	0	0
1	0	0	0
1	0	0	0
1	0	0	0
1	0	0	0
1	0	0	0
1	0	0	0
1	0	0	0
0	0	1	1
0	0	1	1
0	0	1	1

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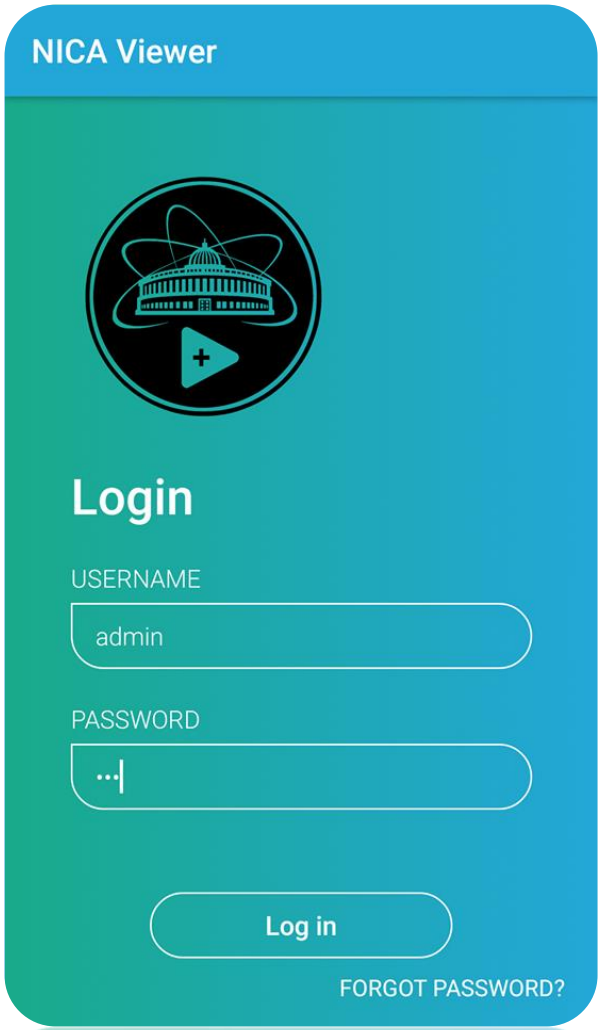

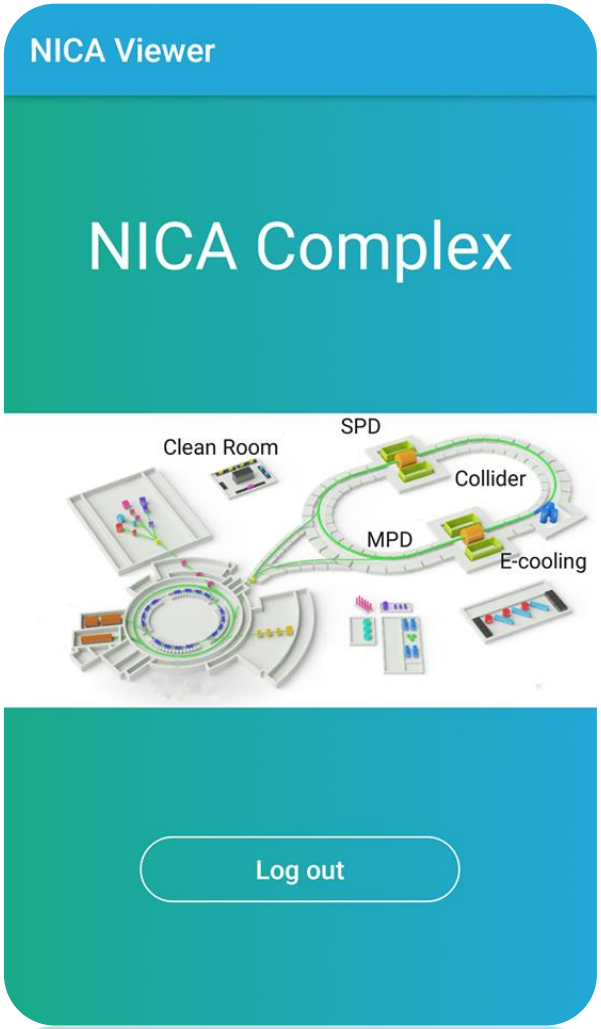

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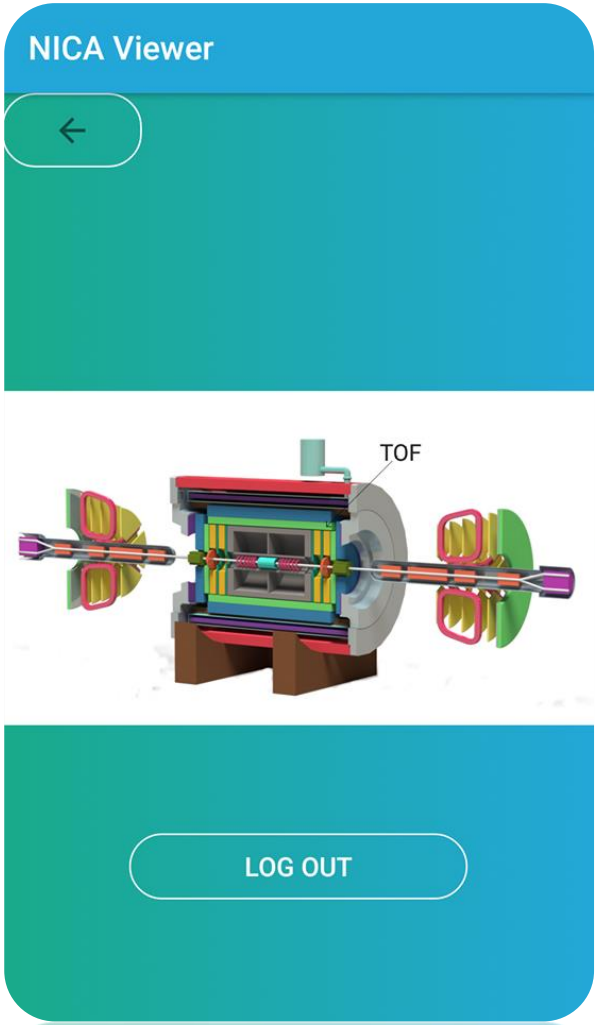

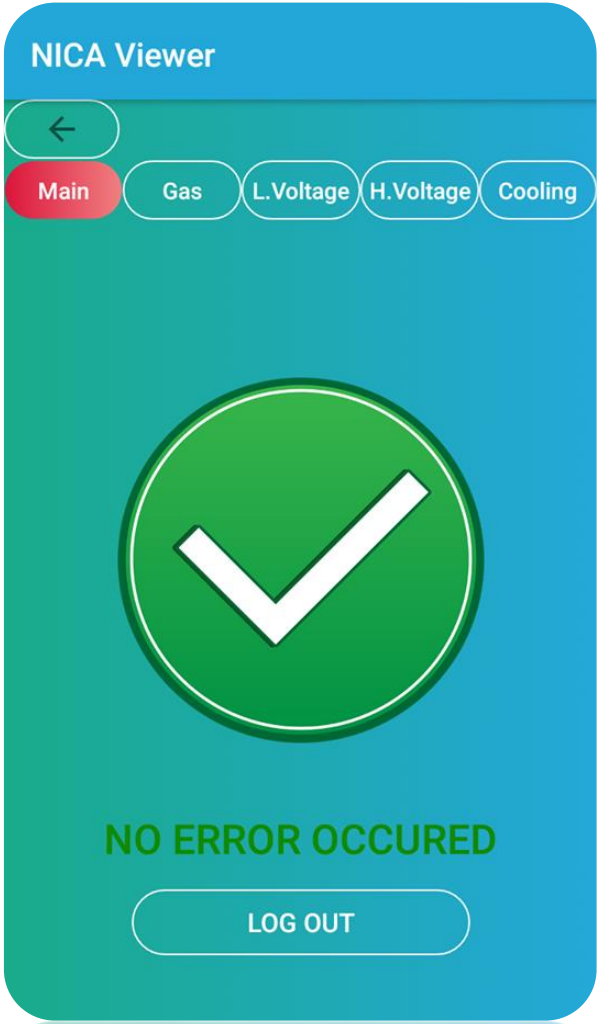

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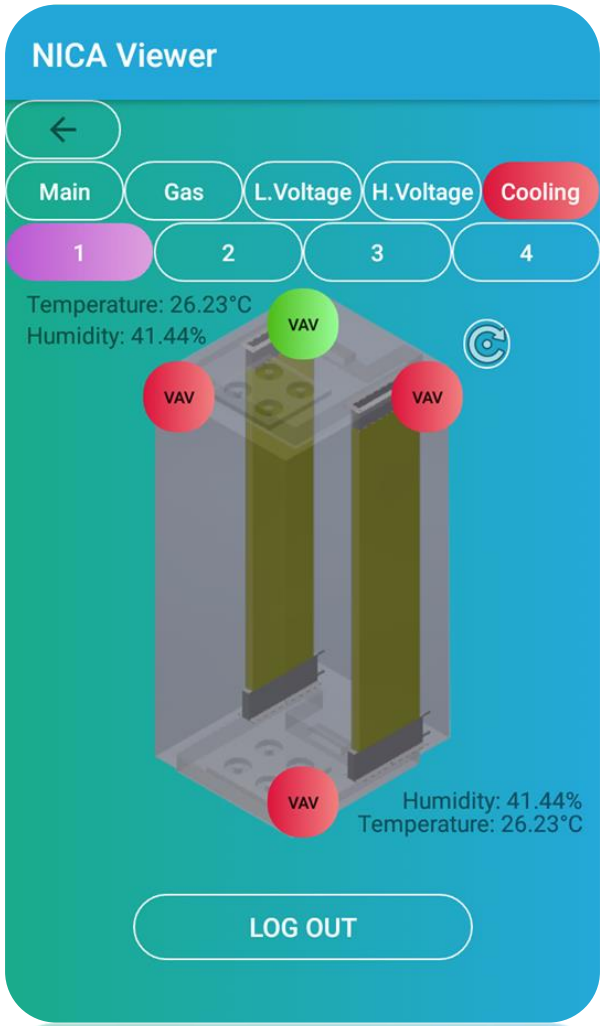

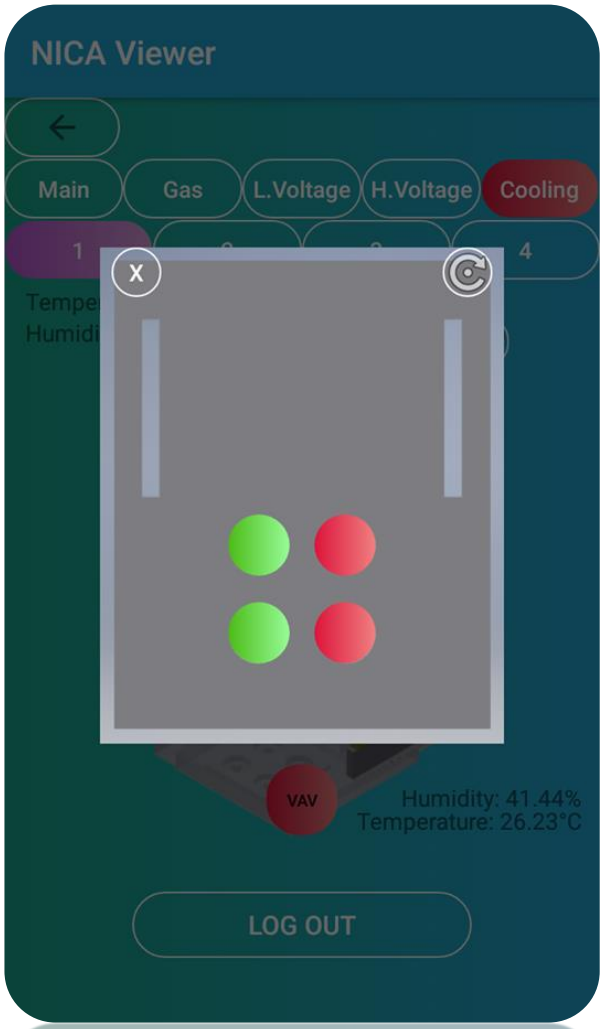

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THANK YOU FOR YOUR ATTENTION!

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