

# Simulation of a Car's Window

Final Course Project

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# Goals of the project

- Develop a complete application based on the Arduino one micro-controller Board
- Improve the knowledge of the hardware and software elements used in the course
- Implement the application in order to be user friendly



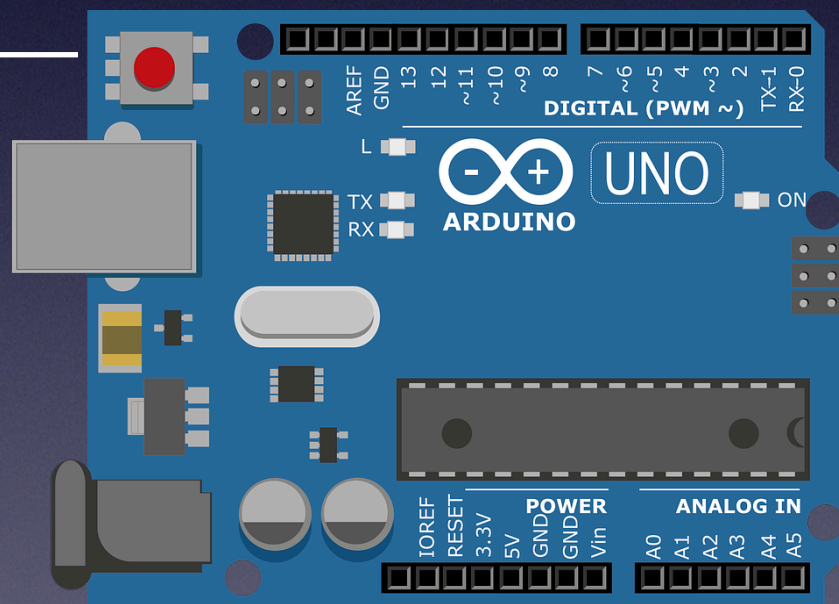
# Hardware used

LCD keypad Shield

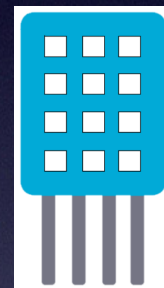


SPI

Arduino Uno board (ATmega328/P)

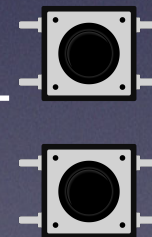


Humidity/temperature sensor DHT12



I2C

Buttons



I/O



# Overall description of the application

## How it works?

If button pressed



Show-bar up or down



If anomaly

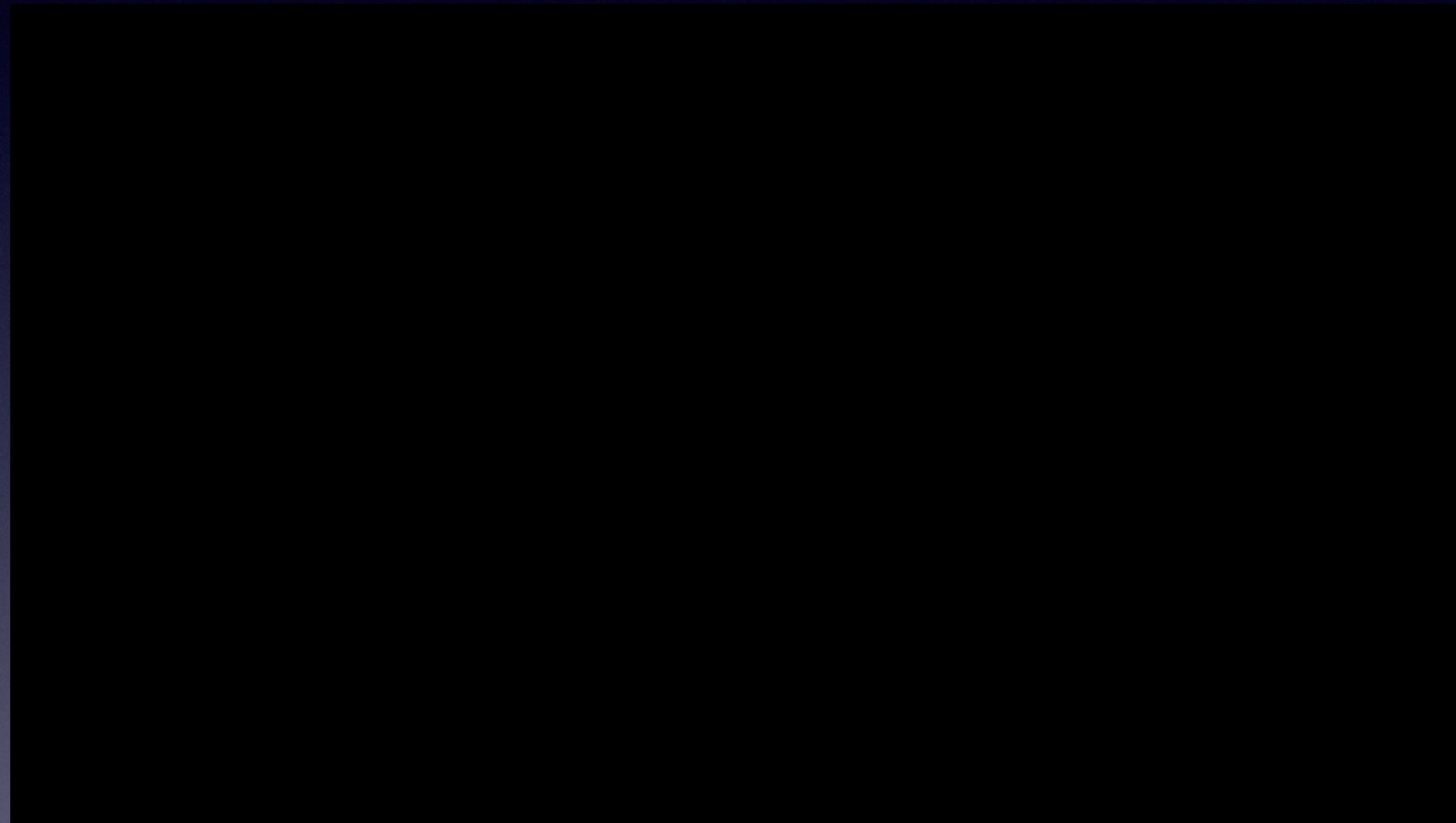


Alarm





# Video Demonstration Of The Project



<https://www.youtube.com/watch?v=9HxOzVTwEk4>



# Conclusions

- We have been able to develop an application which simulate a car window with an LCD
- Our knowledge about the course has been improved with this project
- The application is user friendly
- Is the first step to control real windows



# Thank you for your attention

