Microprocessor Techniques and Embedded Systems
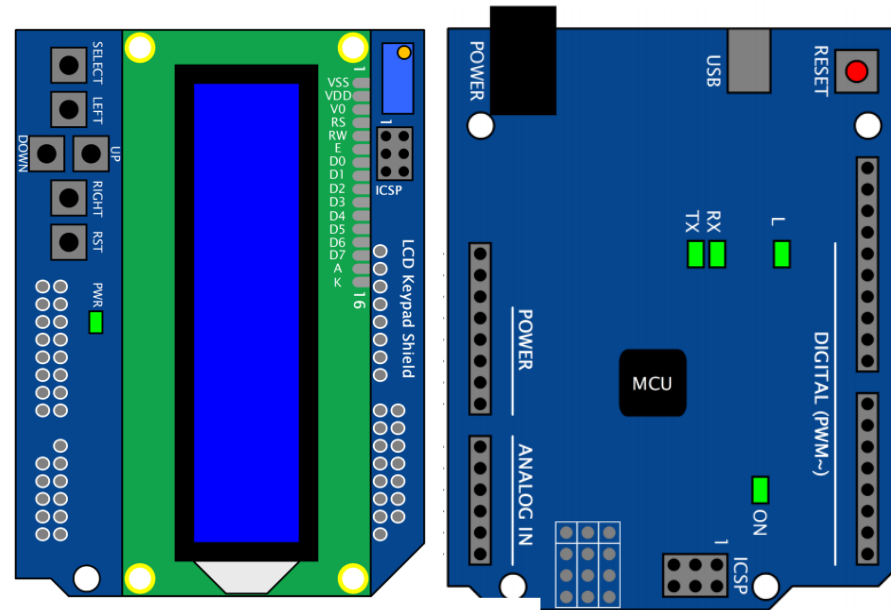
PROJECT PRESENTATION

Project itself

The project goal is to make an application with:

- ▶ Time
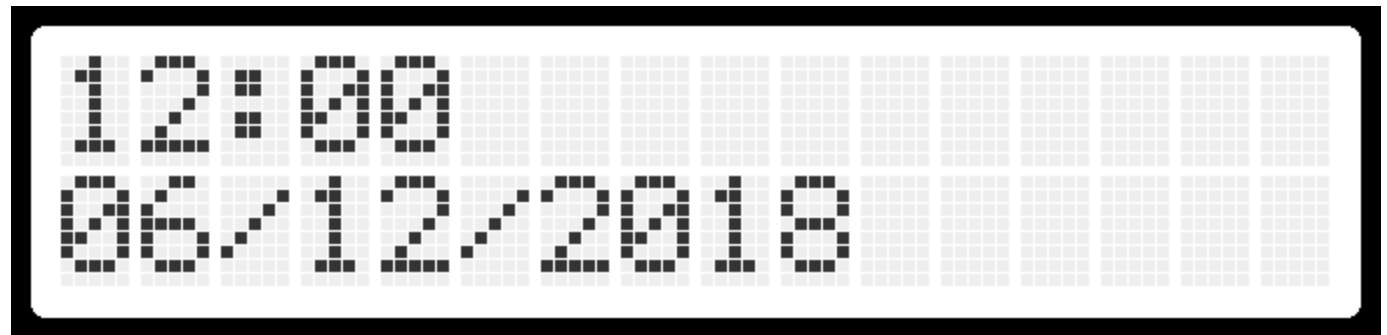- ▶ Date
- ▶ Alarms
- ▶ Chronometer
- ▶ Timer

Material used

▶ Arduino Uno target board with ATmega328/P microcontroller
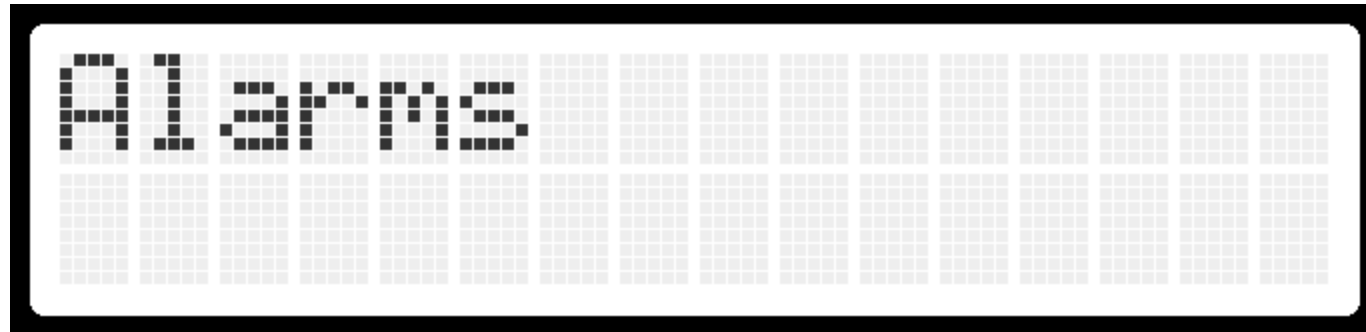
▶ LCD Keypad Shield
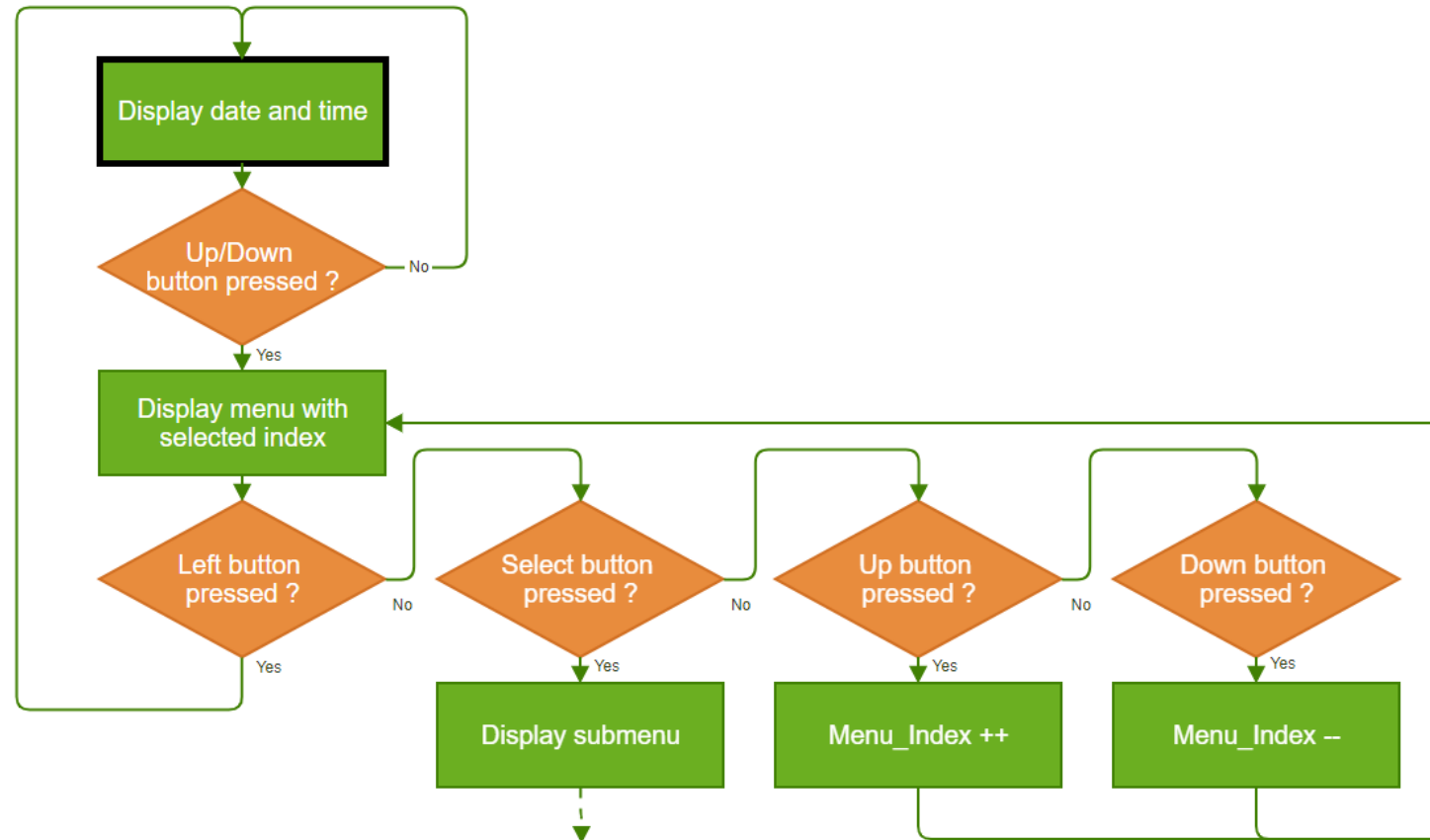
▶ DS3231 RTC clock

Current state of the project

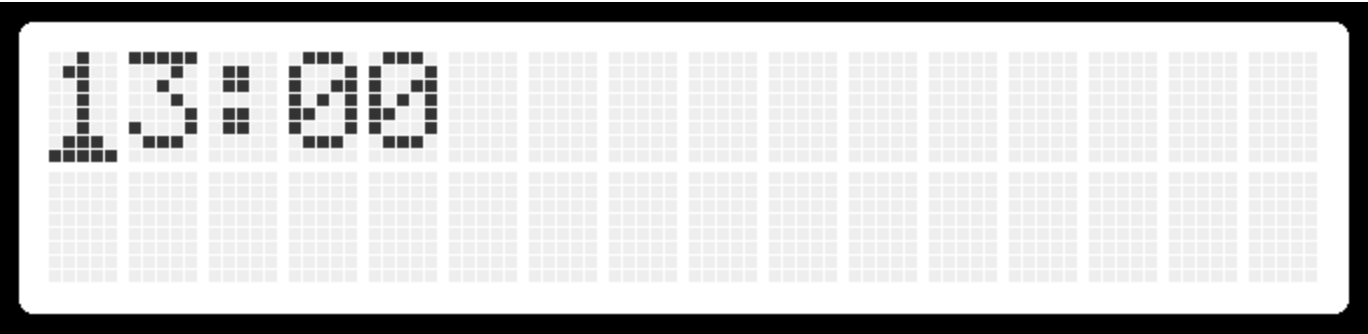- Get and display date and time
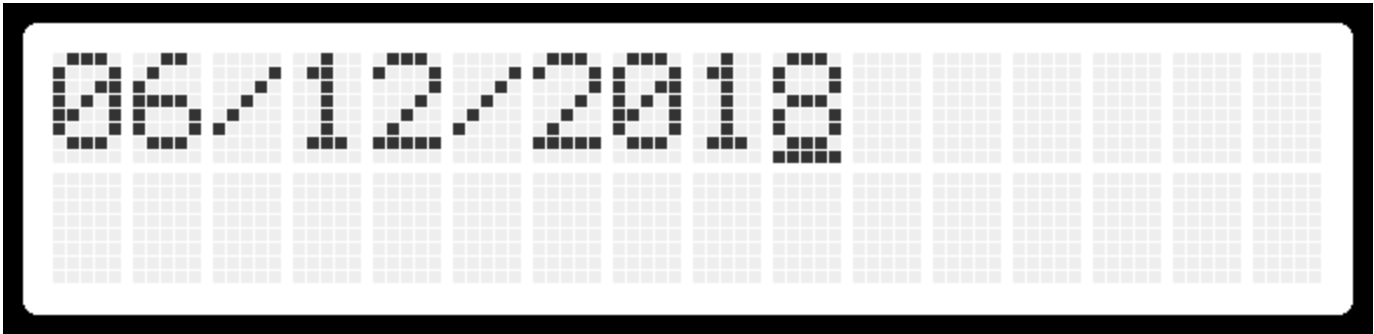
- Interactive menu

- Set time / date
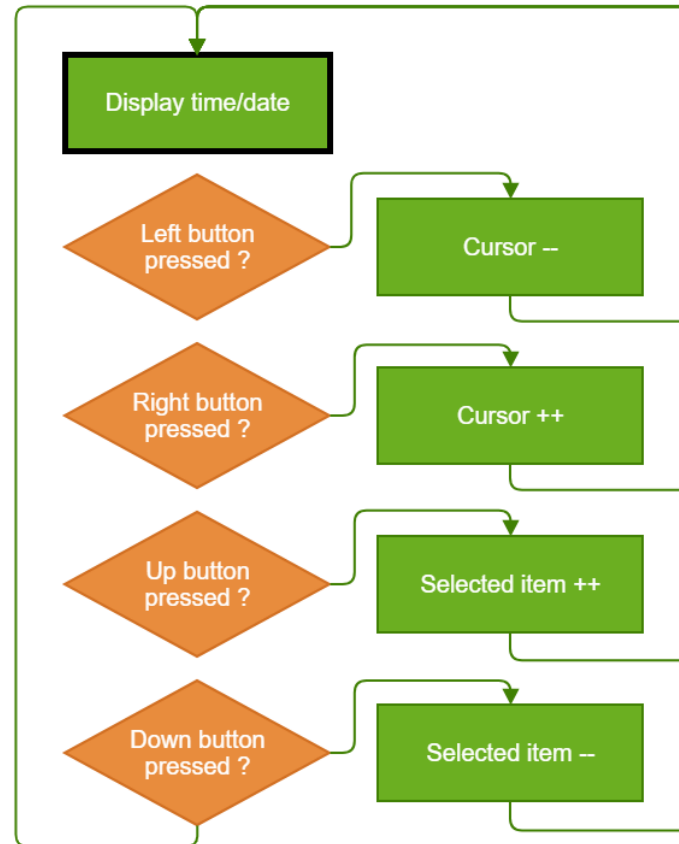
Interactive menu

Interactive menu

Set time / date

13:00

06/12/2018

Set time / date

Demo

https://youtu.be/dkUYMvdTPwQ

What we would like to do

- Use EEPROM to store and load date, time and alarms

- Alarms

- Chronometer

- Timer

Thanks for your attention