RTC and LCD STM32 Project

Goal: Interfacing DS1307 RTC chip and 16x2 LCD to STM32board. Read current time and date and display it on the LCD screen

Board support package layer: Lcd.c, ds1307.c, lcd.h, ds1307.h. This layer will abstract the usage of RTC and LCD by providing API functions to the user

Application layer: rtc\_lcd.c

D1307.h

* Contains device (RTC) related information
* I2C addresses
* Register addresses
* Data structure to handle information
* Function prototypes which are exposed to the application
* Application configurable items

A diagram of a operating circuit

AI-generated content may be incorrect.

A diagram of a circuit board

AI-generated content may be incorrect.

A close-up of a time card

AI-generated content may be incorrect.

A white paper with black text and numbers

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