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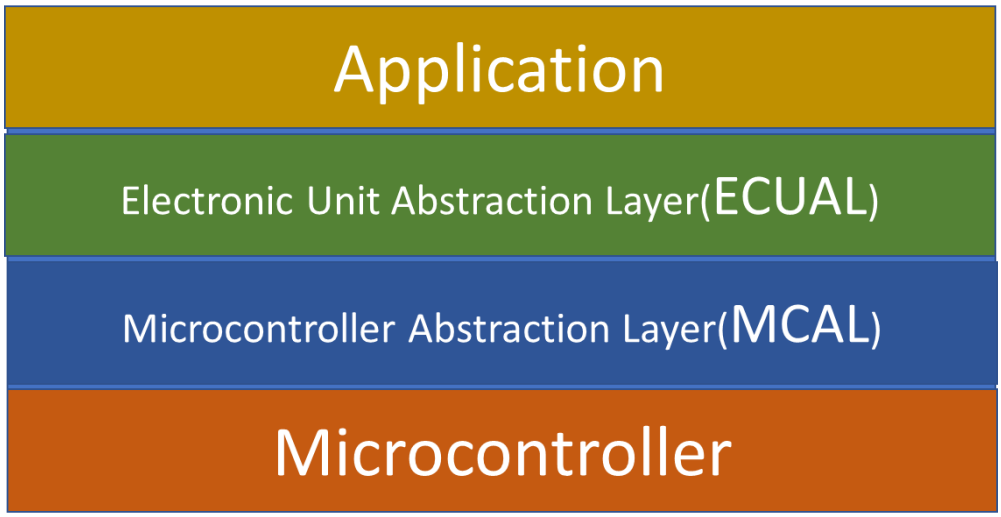
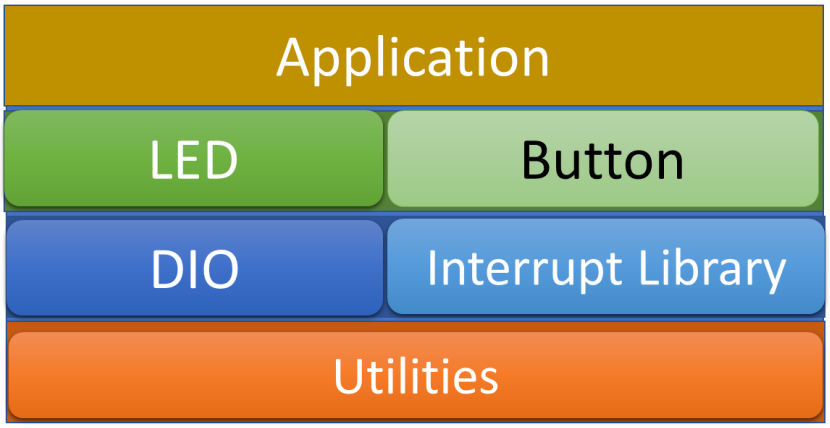
System Design

System Layers



Drivers in each layer

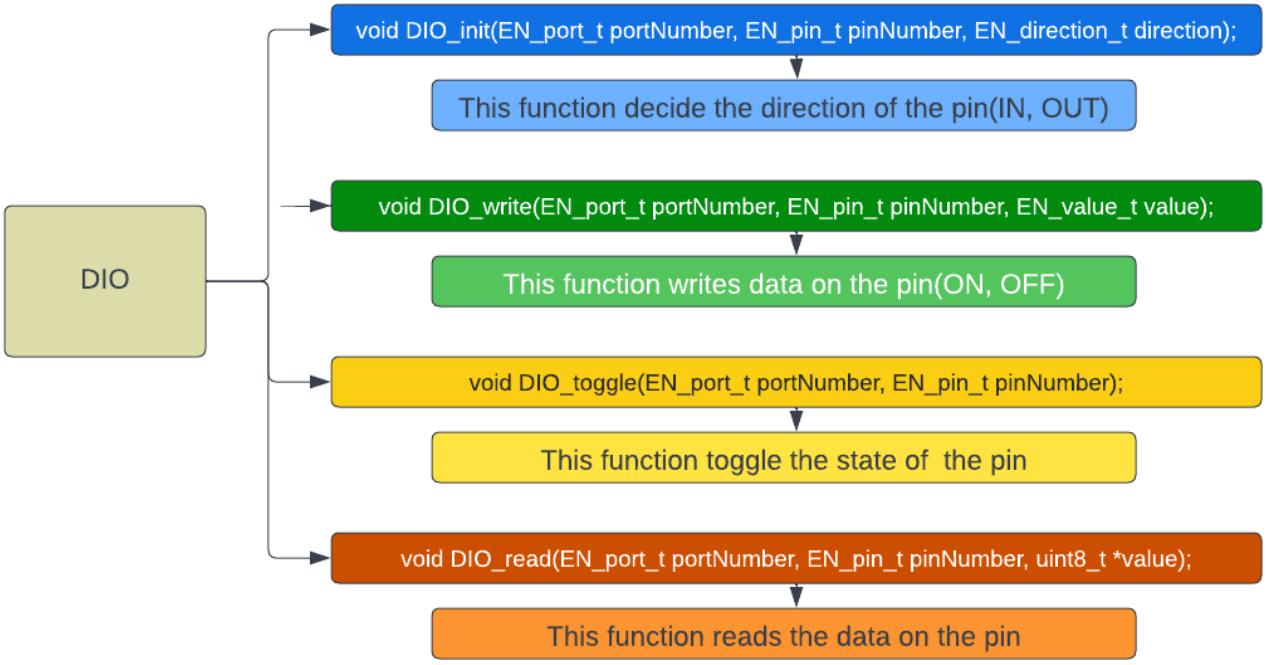


system description

Utilities Driver

- This driver contains mainly two header files(registers.h, types.h)
  - registers.h
    - i/o registers(PORTA, PORTB, PORTC, PORTD)
    - timer0 registers
    - external interrupts registers

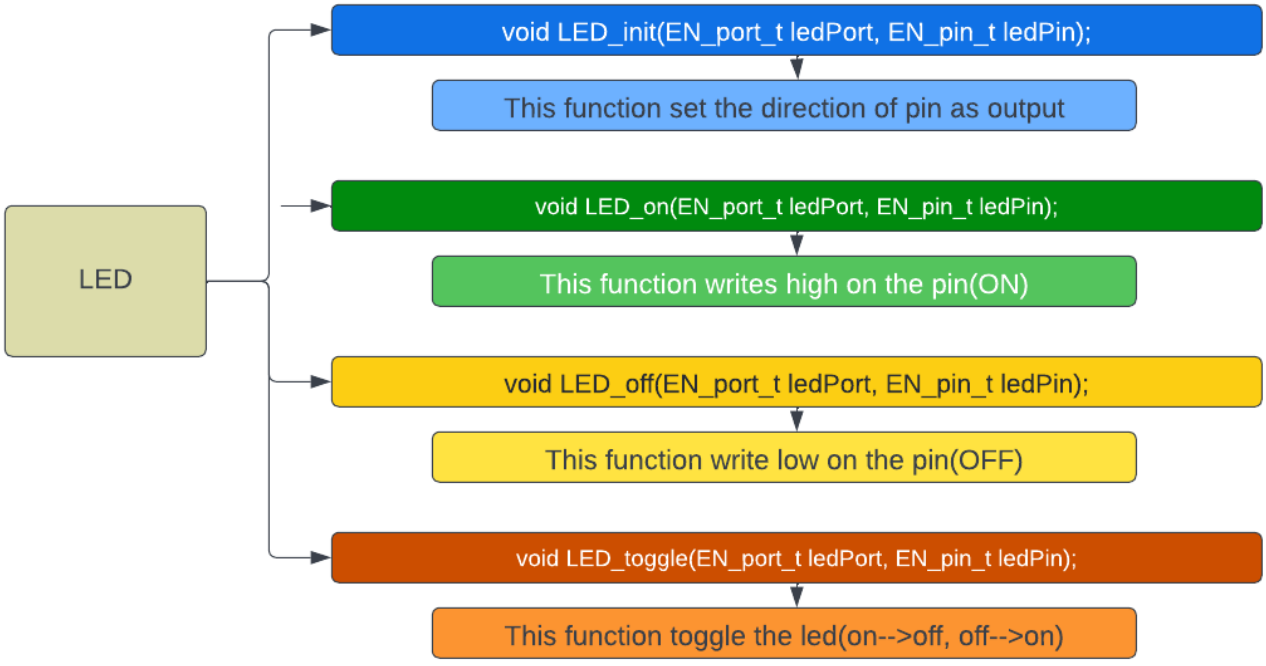
DIO Driver



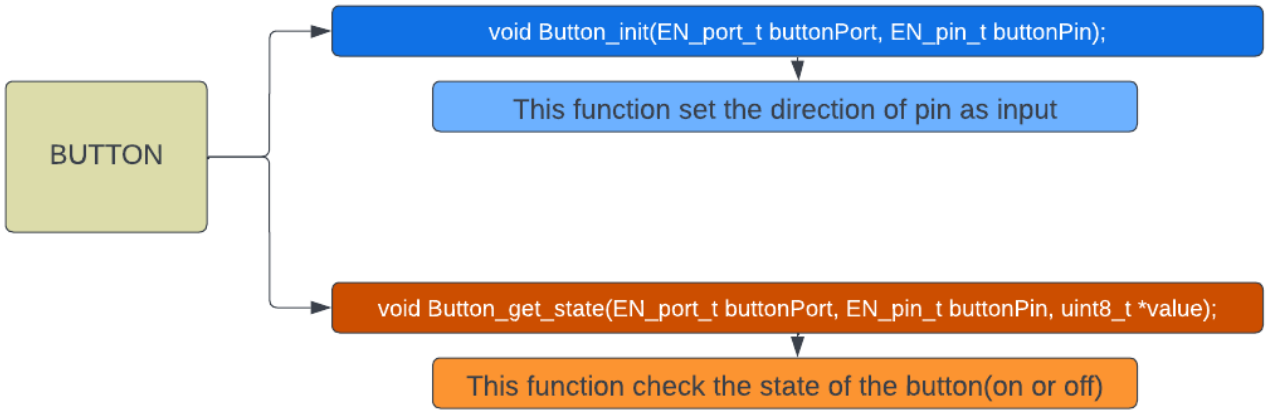
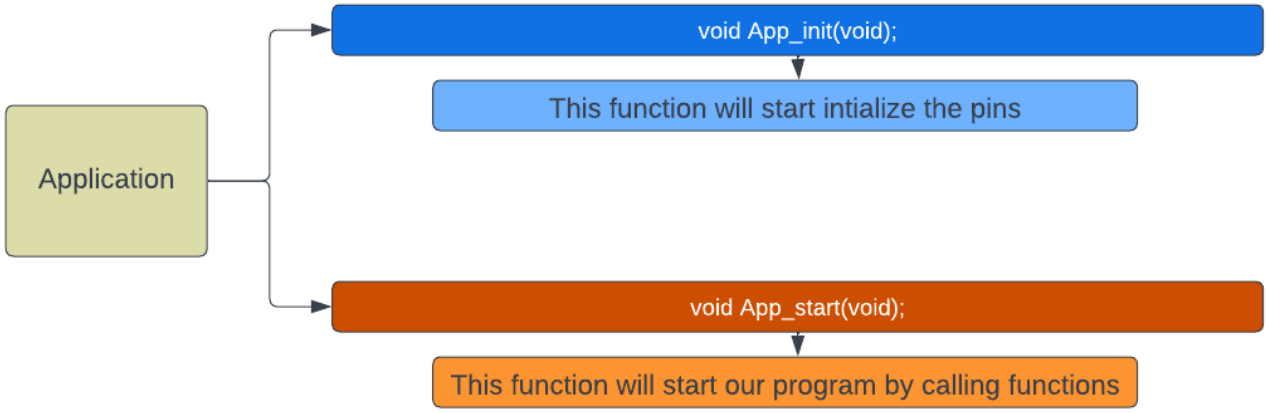
Interrupt Library

This library defines the external interrupt vectors, macros to set OR clear global register and ISR macro

LED Driver



BUTTON Driver



Application Driver