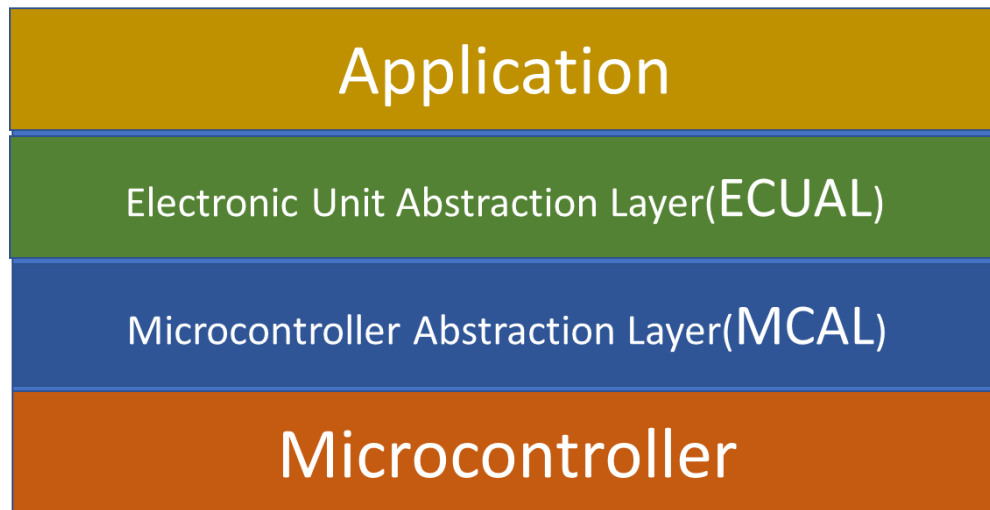


## Contents

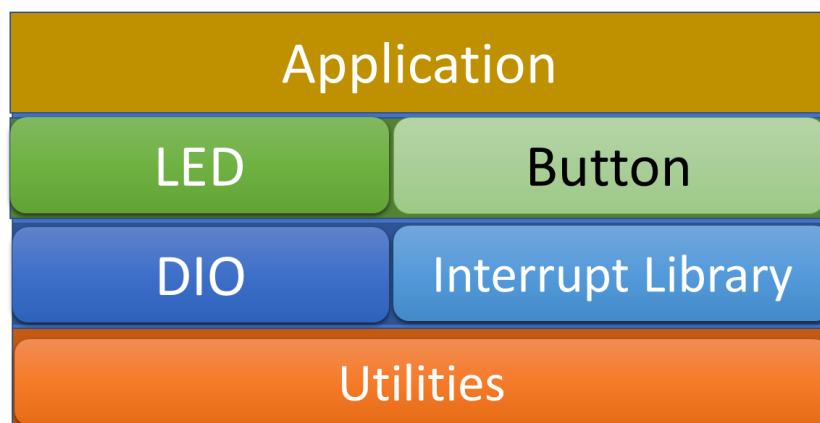
System Design.....	2
System Layers .....	2
Drivers in each layer.....	2
system description.....	2
Utilities Driver .....	2
DIO Driver .....	3
Interrupt Library .....	3
LED Driver .....	3
BUTTON Driver.....	4
Application Driver .....	4
system flow chart .....	5

# System Design

## System Layers



## Drivers in each layer

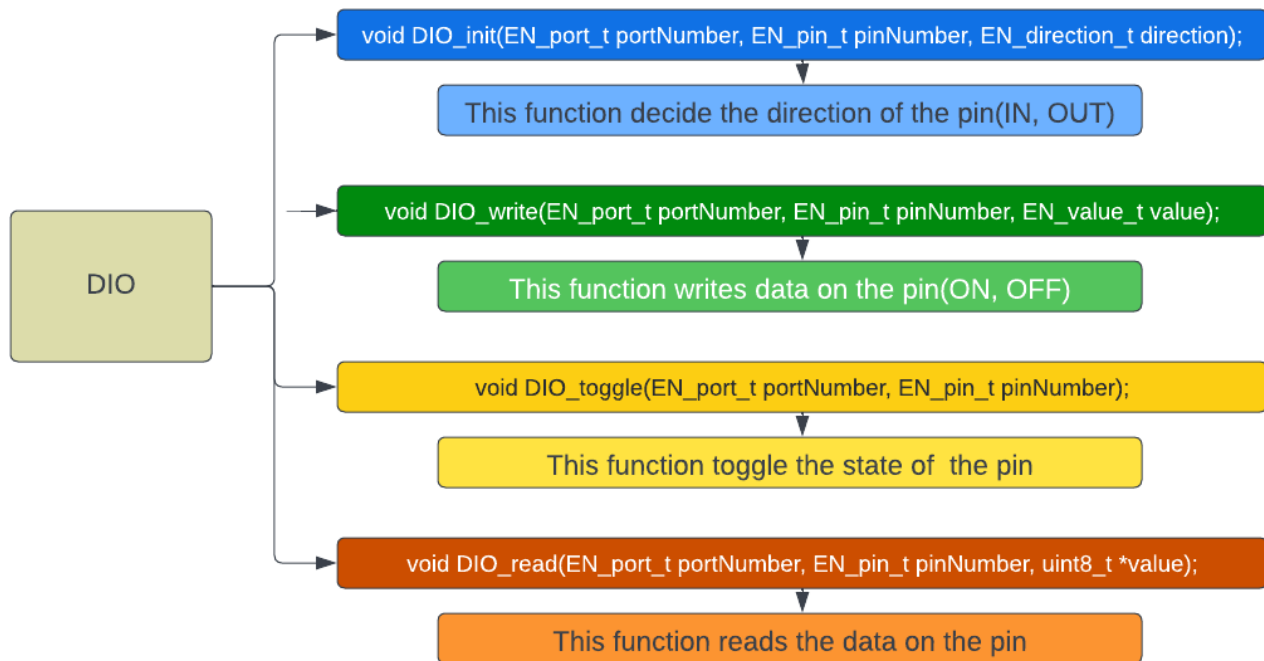


## system description

### 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

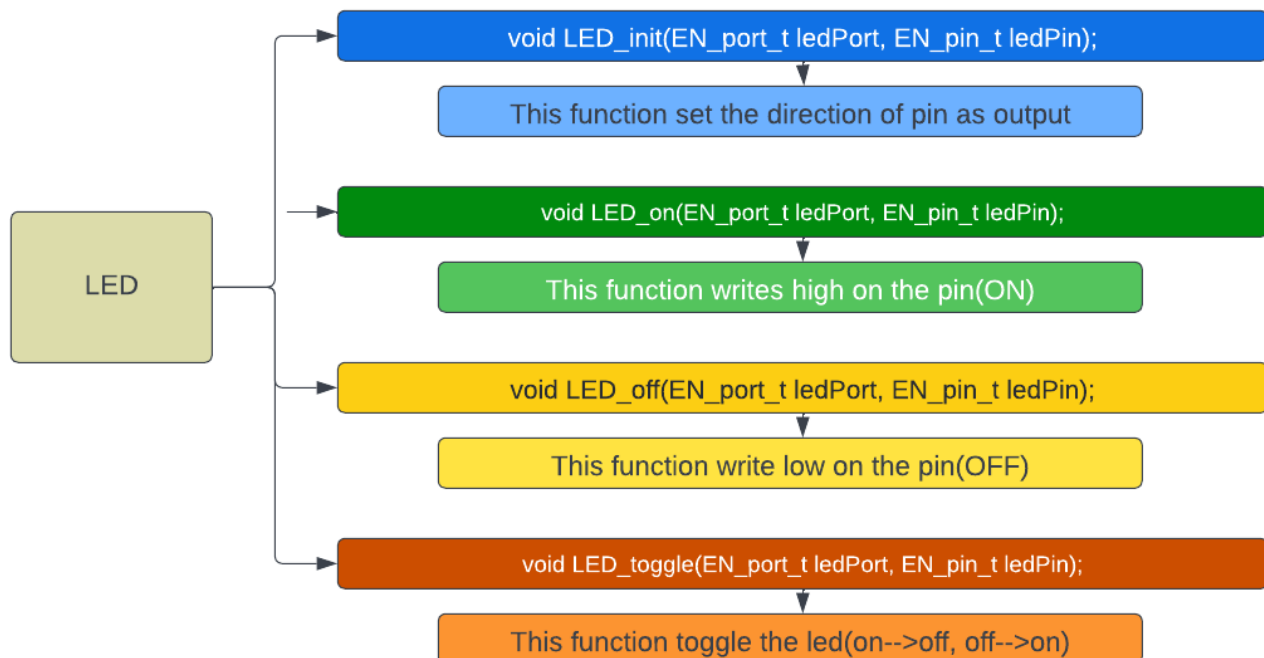
## DIO Driver



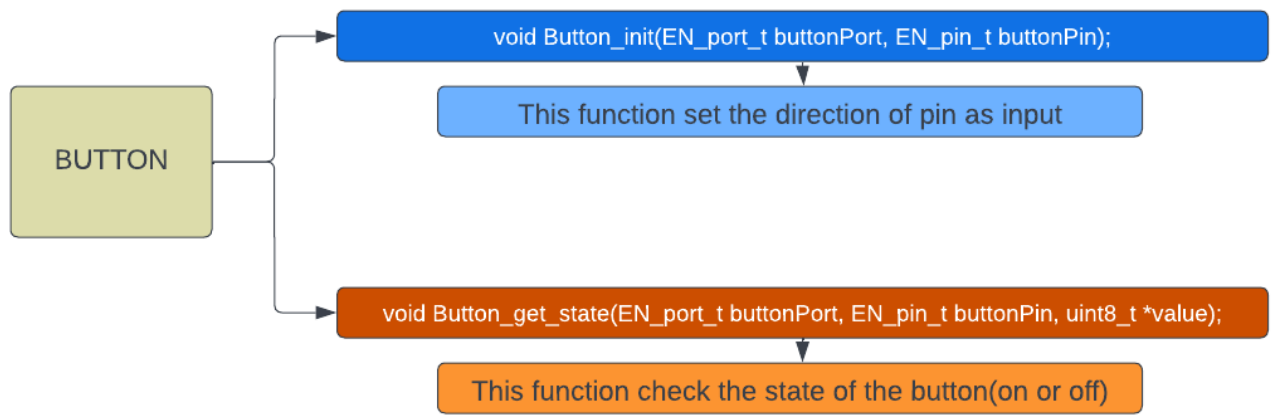
## Interrupt Library

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

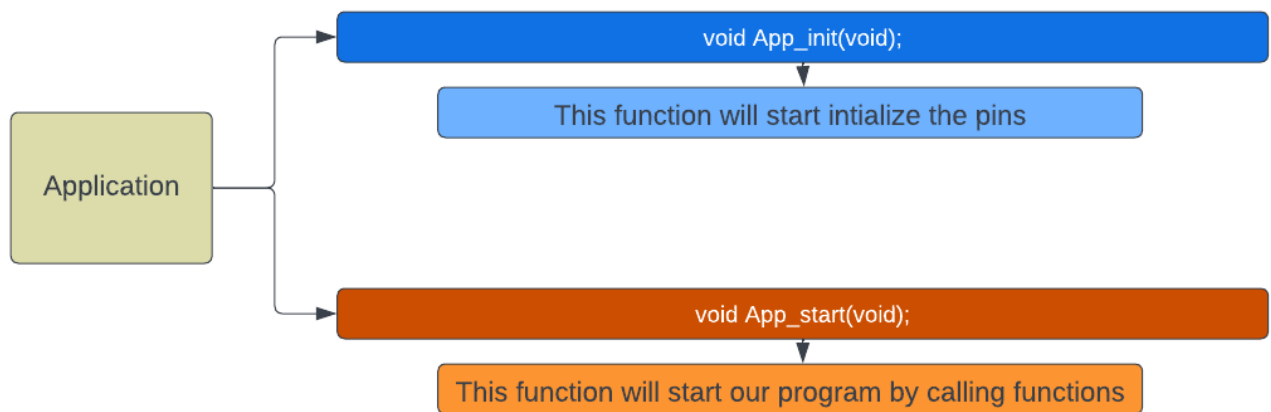
## LED Driver



## BUTTON Driver



## Application Driver



## system flow chart

