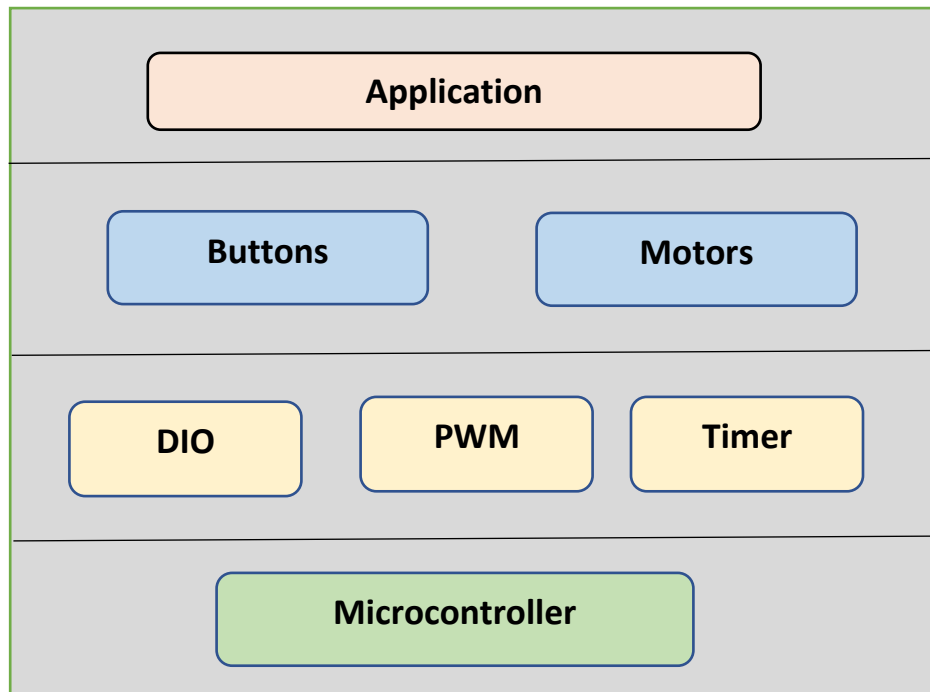


## Static Design



## Buttons Interface:

```
uint8_t Button_Read (Port port_number, Pin pin_number);
```

## MOTORS Interface:

```
void Motor_Init ( );  
  
void Motor_start (uint8 speed, Direction dir);  
  
void Set_Speed (uint8_t duty_cycle);  
  
void Set_Direction (uint8_t dir);  
  
void Motor_Stop ( );
```

## DIO Interface:

```
void DIO_Init (const DIO_ConfigType *Config_Ptr);  
  
void DIO_Set ( Port port_number, Pin pin_number);  
  
void DIO_Clear ( Port port_number, Pin pin_number);  
  
void DIO_Toggle ( Port port_number, Pin pin_number);  
  
uint8_t DIO_Read ( Port port_number, Pin pin_number);
```

## Timers Interface:

```
void Timer_init(const Timer_ConfigType * Config_Ptr);  
  
void Timer_Start (uint64_ticks);  
  
void Timer_stop(uint8 timer_number);
```