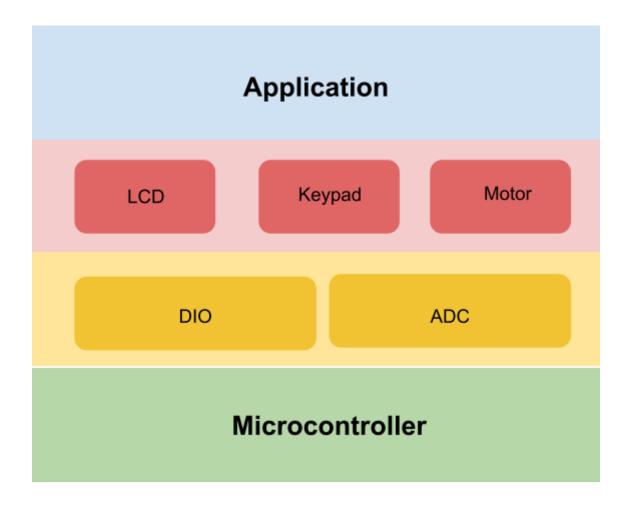
Air conditioner static design



Code sekeletone

```
main.c
void main(void)
     APP_init();
 while(1)
     APP_update();
 }
Application
void APP_init(void);
void APP_update(void);
ADC driver
void ADC init(void);
uint16 ADC_readChannel(uint8 channel_num);
LCD driver
/* LCD HW Pins */
/* LCD Commands */
Functions Prototypes
void LCD sendCommand(uint8 command);
void LCD_displayCharacter(uint8 data);
void LCD displayString(const char *Str);
void LCD init(void);
void LCD_clearScreen(void);
void LCD displayStringRowColumn(uint8 row,uint8 col,const char *Str);
void LCD goToRowColumn(uint8 row,uint8 col);
void LCD_intgerToString(int data);
Keypad driver
/* Keypad configurations for number of rows and columns */
#define N col 4
#define N_row 4
/* Keypad Port Configurations */
#define KEYPAD_PORT_OUT PORTB
#define KEYPAD_PORT_IN PINB
```

#define KEYPAD_PORT_DIR DDRB

void motor_init(); void motor_CW(); void motor_ACW(); void motor_stop();