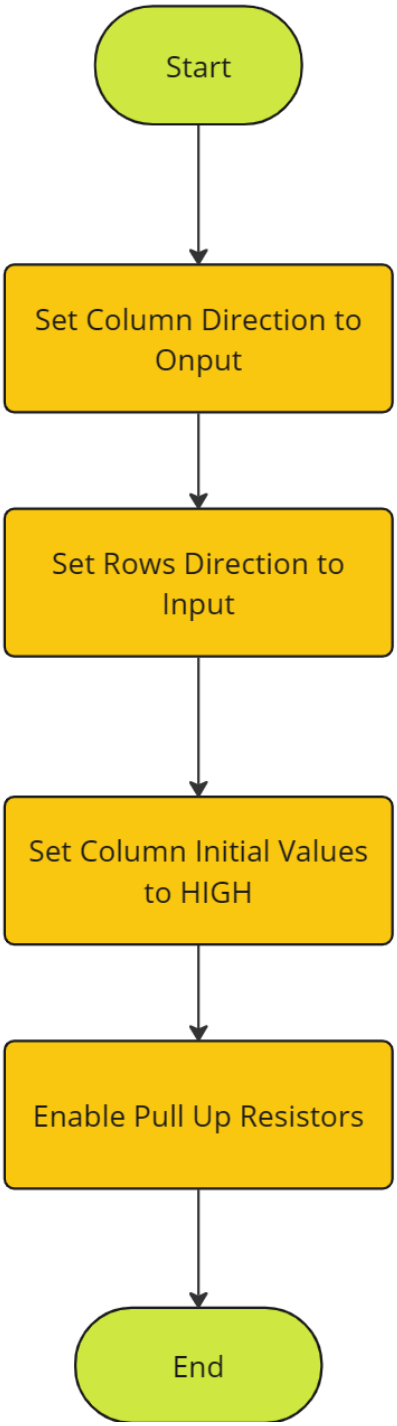
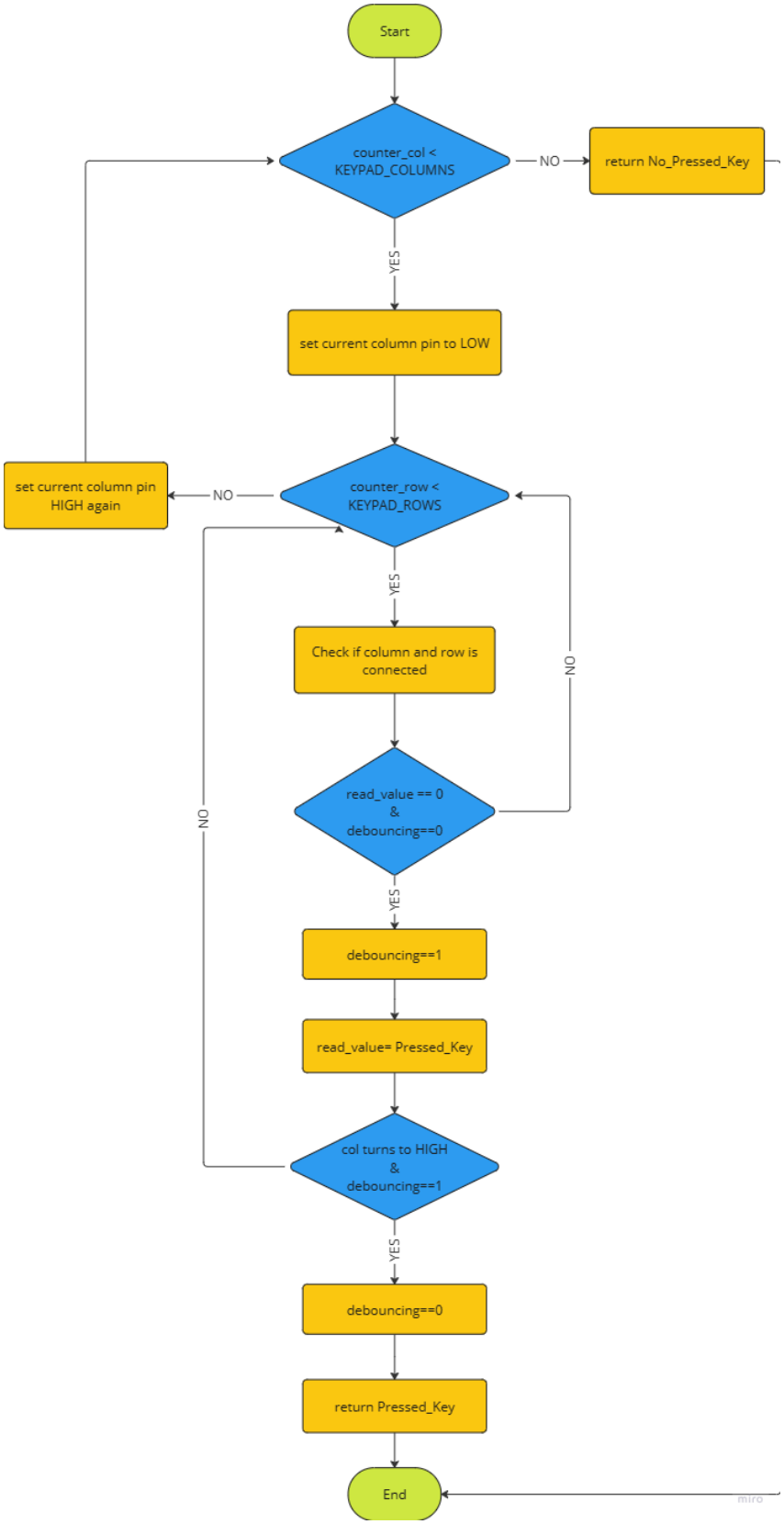
LCD & Keypad Nonblocking

Anas Mahmoud	Team 2

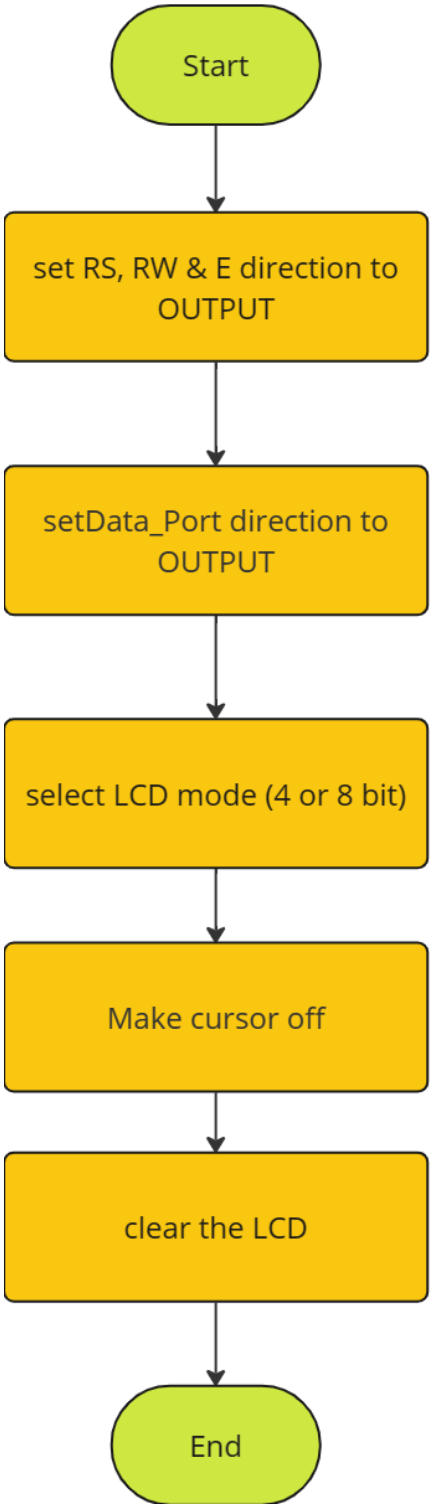
KEYPAD_initError KEYPAD_init(void)



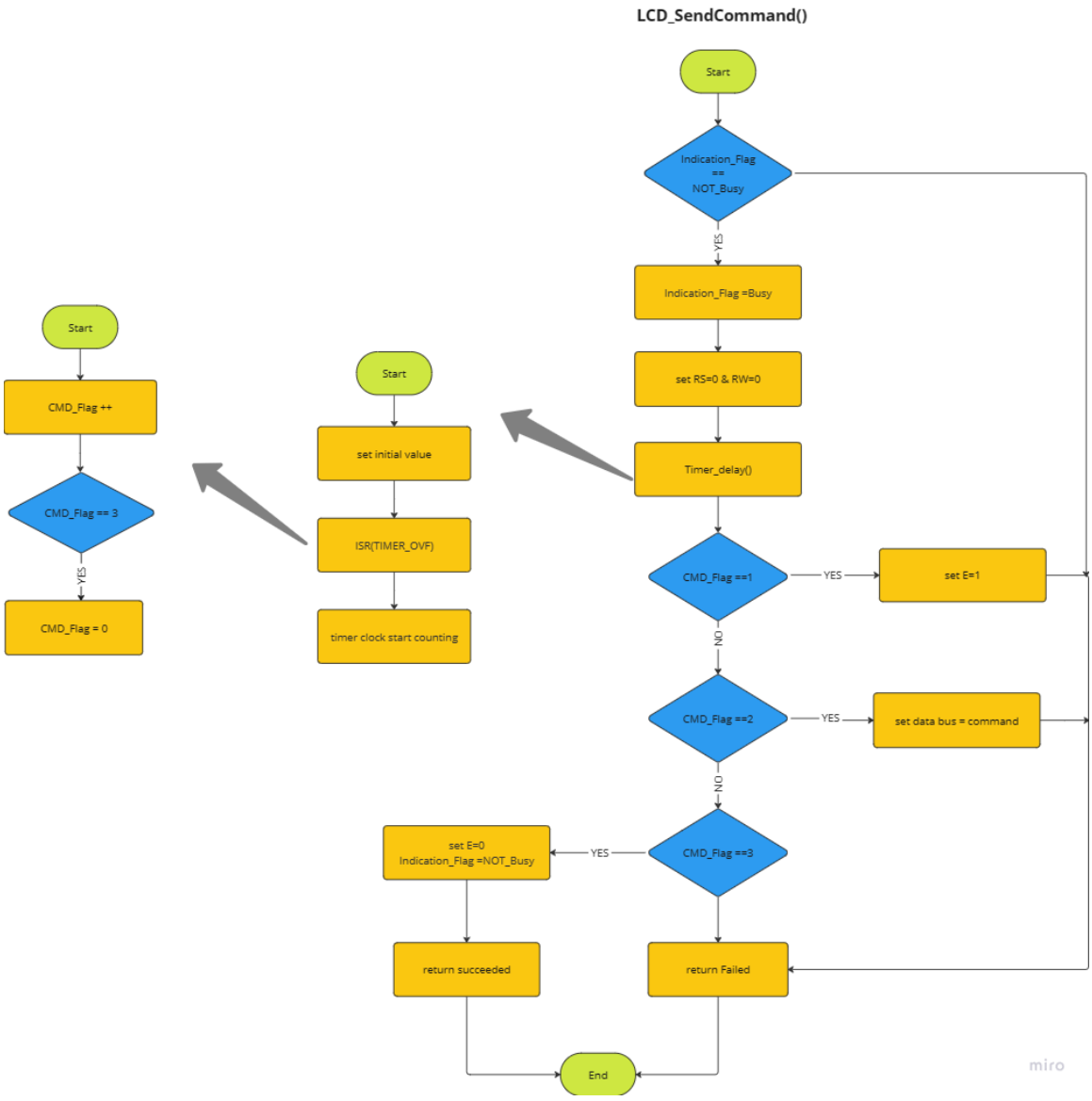
uint8_t KEYPAD_getpressedkey()



LCD-init()



miro


LCD_SendCommand()
Start
Indication_Flag == NOT_Busy
YES
Indication_Flag =Busy
set RS=0 & RW=0
Timer_delay()
CMD_Flag ==1
YES
set E=1
NO
CMD_Flag ==2
YES
set data bus = command
NO
CMD_Flag ==3
YES
set E=0
Indication_Flag =NOT_Busy
return succeeded
return Failed
End
Start
set initial value
ISR(TIMER_OVF)
timer clock start counting
Start
CMD_Flag ++
CMD_Flag == 3
YES
CMD_Flag = 0
miro