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input.c

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/*****
 * File: input.c      Project by: David Hodgdon *
 * Class: ECE476     Instructor: Bruce Land  *
 *****/
#include <stdio.h>
#include "scan.h"
#include "input.h"
#include "serial.h"
#include "lcd.h"

#define INPUTSTRSIZE 20
static char inputStr[INPUTSTRSIZE+1];

char* InputGetString() {
#ifdef ATMEL
    gets(inputStr);
    return inputStr;
#else
    #if 0
        init_kb();
        while(eol==0);
        stop_kb();
        return kb_buffer;
    #endif
    char i;
    for(i=0;i<INPUTSTRSIZE;i++) {
        putchar(SerialRequestInput);
        inputStr[i]=getchar();
        sprintf(lcd_buffer, "%c", inputStr[i]);
        if(inputStr[i]==0x8) {
//            ScanDebug("Hi");
            LCDBackspace();
            i=i-2;
        }
        else {
            LCDPrintString(lcd_buffer);
            if(inputStr[i]=='\n' || inputStr[i]=='\r') {
                inputStr[i]='\0';
                break;
            }
        }
    }
    LCDNewLine();
    return inputStr;
#endif
}

```