

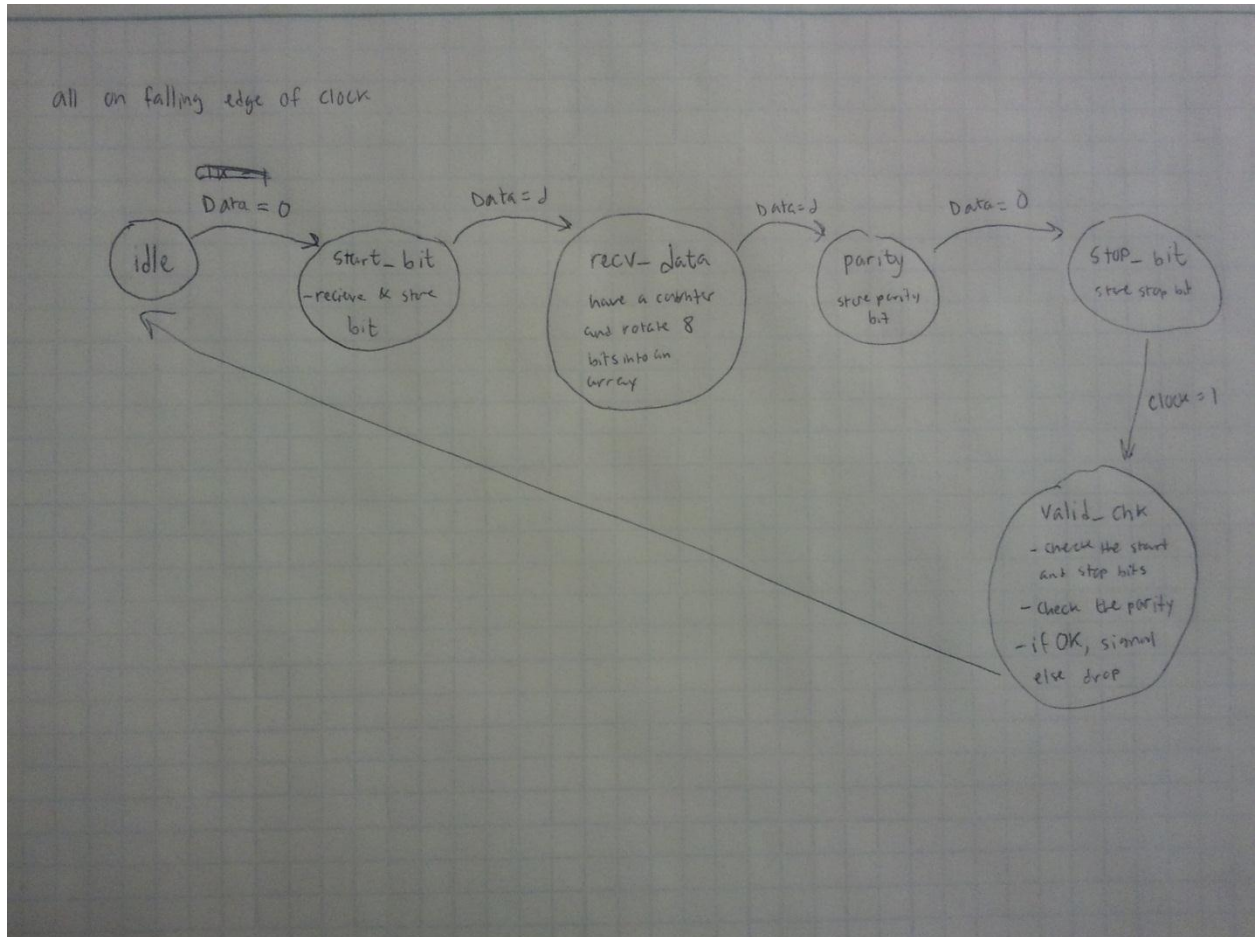
# Prelab #3

Aseda Gyeke Aboagye

Doug Hewitt

Joe Orr

1. Pin C-25, VUNREG "The VUNREG pin is connected directly to the unregulated +V pin of the P1 power connector." as per the DK-C8051F12 documentation so we should be able to connect that to our 5v regulator and then from there to the LCD and keyboard.



- 2.
3. `extrn CODE(keytab, keytab2)`  
`extrn NUMBER(minkey, maxkey)`

4.

```
;assuming scancode is in R2.  
;assuming shift status in R1. Shift = 0, unshifted = 1  
  
mov a,r2  
clr c  
subb a,#minkey  
rlc a ;multiply by two due to cols  
add a,#keytab ;adding address of keytab(offset)  
add a,r1  
mov r0,a  
mov a,@r0  
;at this point, A has the value in the table.
```