

ECGR 6185 - 1/31/11 - P1

ISR\_Timer // runs 1 time every second  
seconds\_timer = TRUE; // Global variable

ISR\_transmit

A) read next char

B) if ~~!<null>~~ turn off  
Interrupts for transmit  
(ic = 0)

C) Transmit char

D) if ~~!<null>~~ increment pointer to next char to send

1	→	put xmit buffer manually
2	→	sent from interrupt
⋮	→	Int
4	→	Int
5	→	Int
<null>	→	Int & disable ints

INT\_SW1

SW1\_pressed = TRUE

INT\_SW2

SW2\_pressed = TRUE

Setup

Configure

Configure

Configure

Configure timer

UART

UART

SW's

timer

xmit

receve

Configure LCD

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P2

Variables

```
char    overtime [6]
char    other time [6]
int     send_char_count
int     receive_char_count
int     sw1_pressed = TRUE FALSE
int     sw2_pressed = TRUE FALSE
int     seconds_timer = FALSE
```