<ASSIGNMENT 3>

- <Andreas Carlsen>
- <Mohamed Gomaa>
- <Lars Saalbrink>

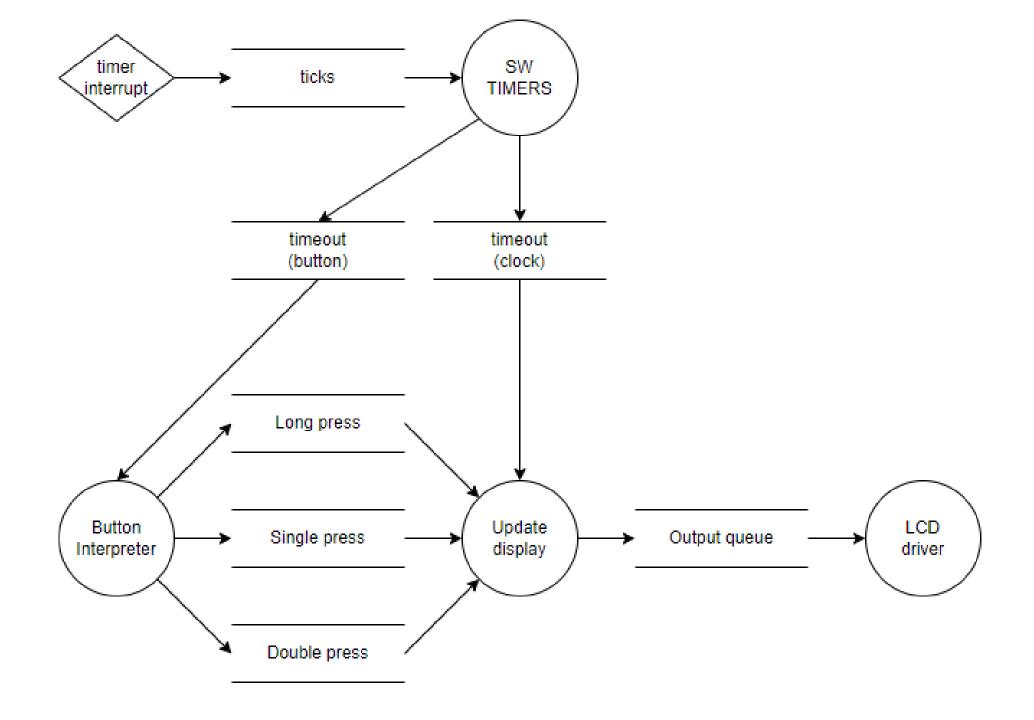
A DIGITAL CLOCK

- I. Show clock format hh:mm on LCD display
- II. Single press will decrease or increments timer minute
- III. Double press will change the direction of the single press
- IV. Long press will go to normal running clock
- V. When clock is running the colon (:) will blink every second







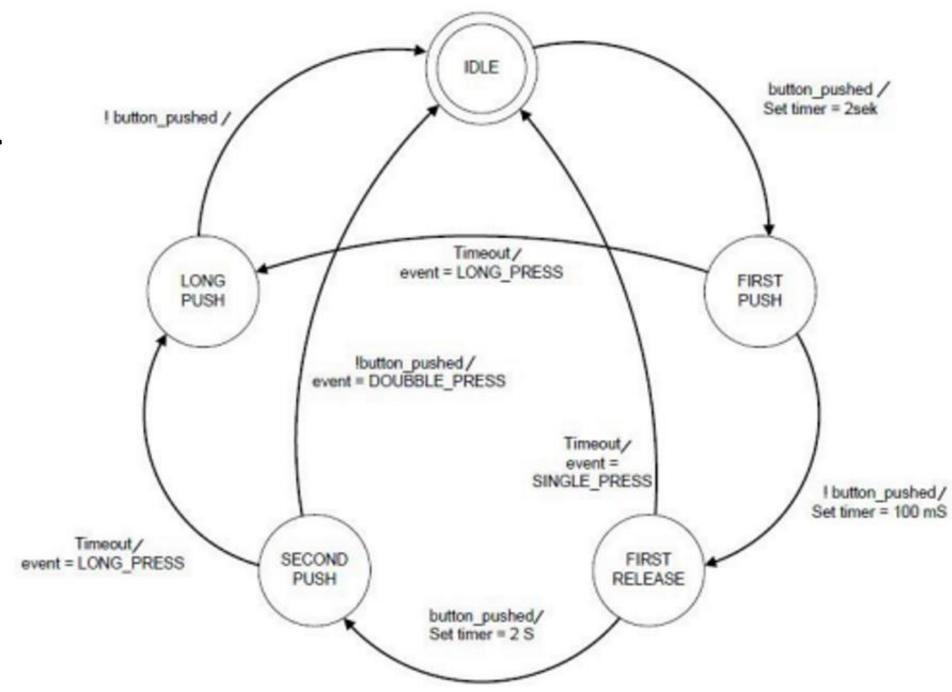




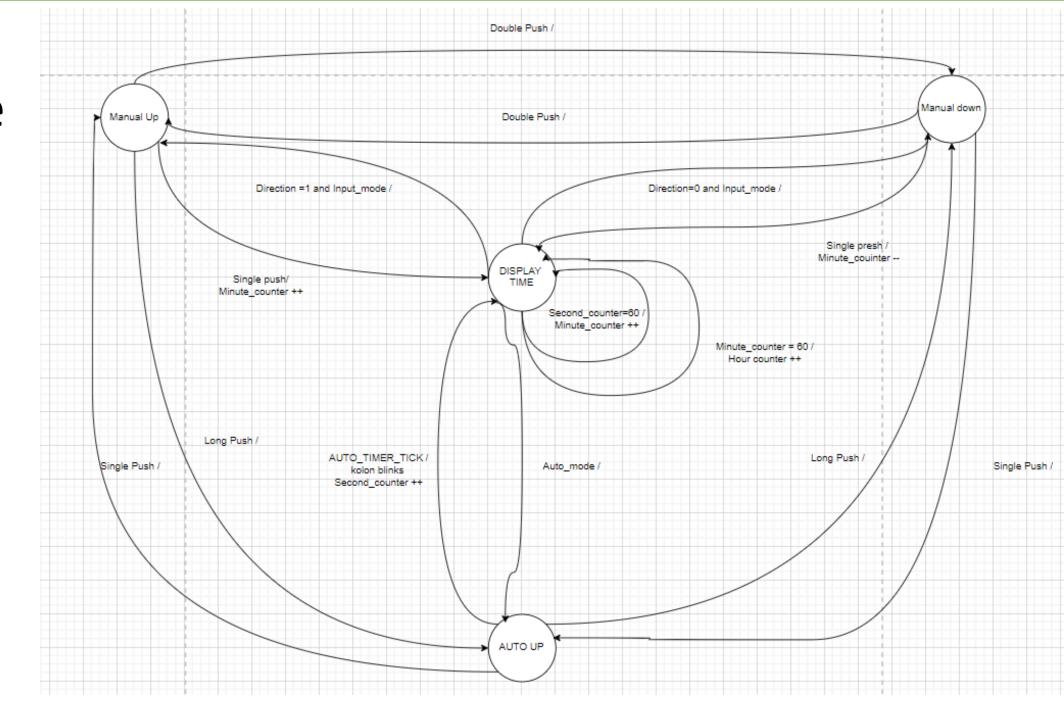
MACHINE STATE DIAGRAMS

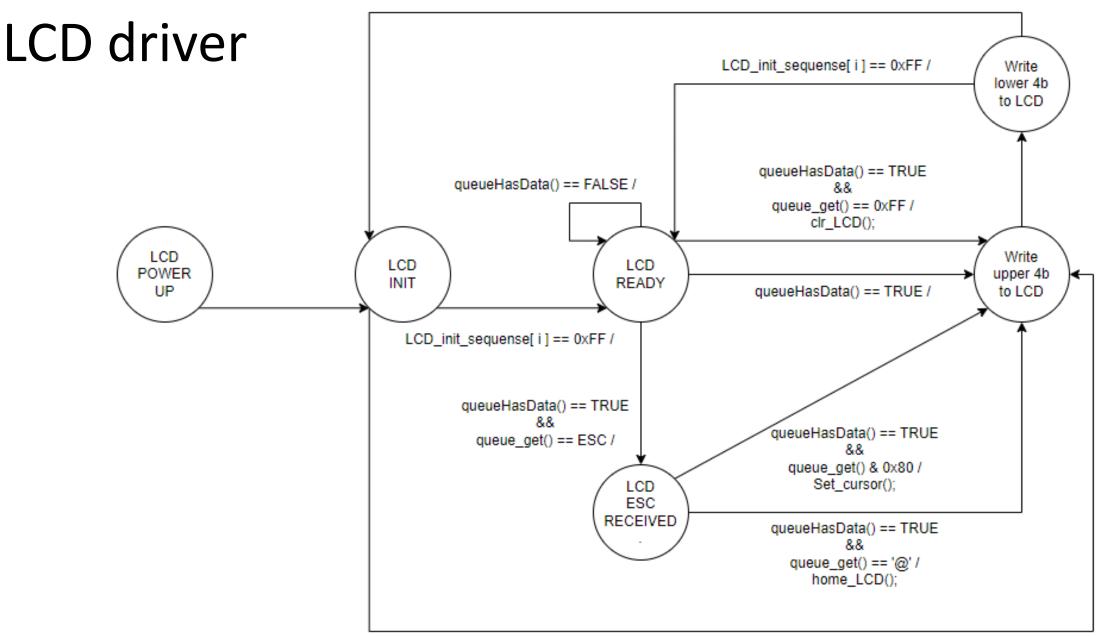


Button Interpreter



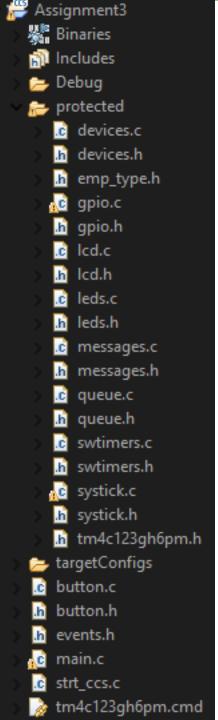
Update Display





LCD_init_sequense[i]!= 0xFF / queue_put(LCD_init_sequense[i]);

SW modules



⊳ Demo video

