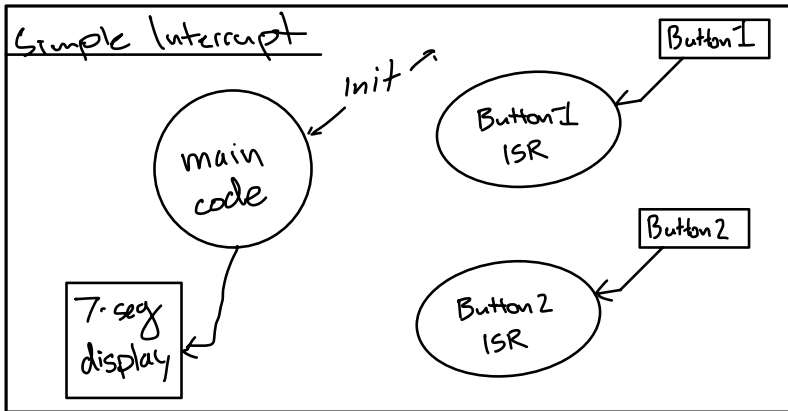
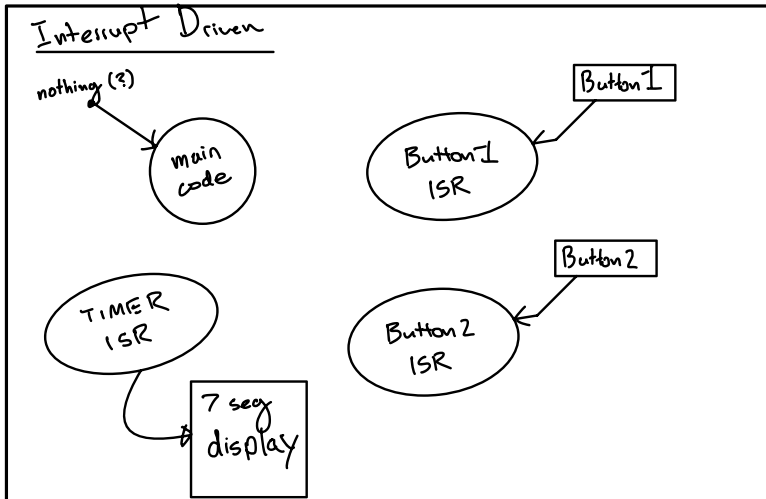


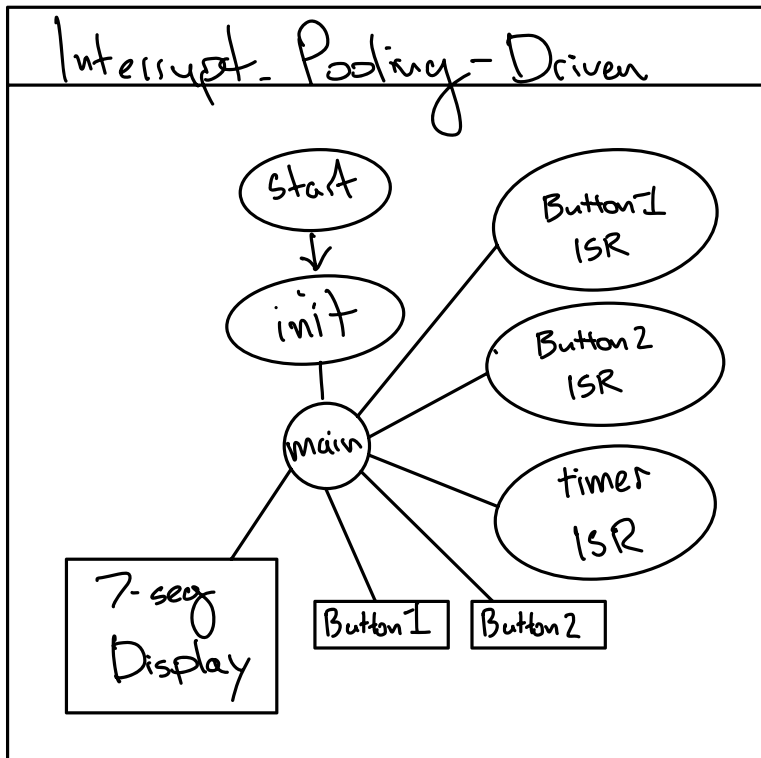
Simple Interrupt



Interrupt Driven



Interrupt- Pooling- Driven



Button 1

B1
ISR

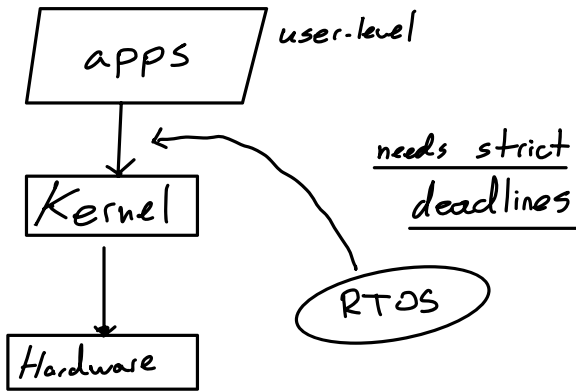
7Seg Display

Button 2

main
(empty)

B2
ISR

RTOS (Real-time OS)



types of OS's

Hard - no missed deadlines

Soft - can miss deadlines

Firm - can miss some deadlines

factors when selecting

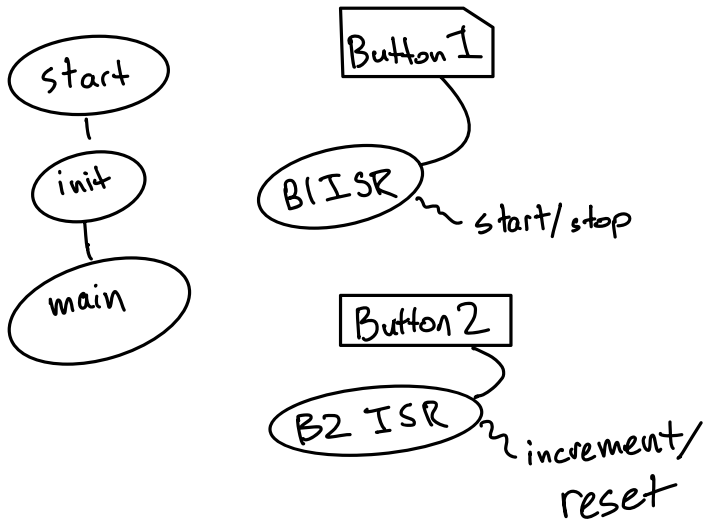
security

environment

features

middleware

performance



- ☐ stop (Both)
- ☐ start (green LED)
- ☐ increment

Green = going

Red = alarm

Both = stopped

stopped: Button 1: start
Button 2: increment

counting: Button 1: stop
Button 2: reset → stop