IB CS HL

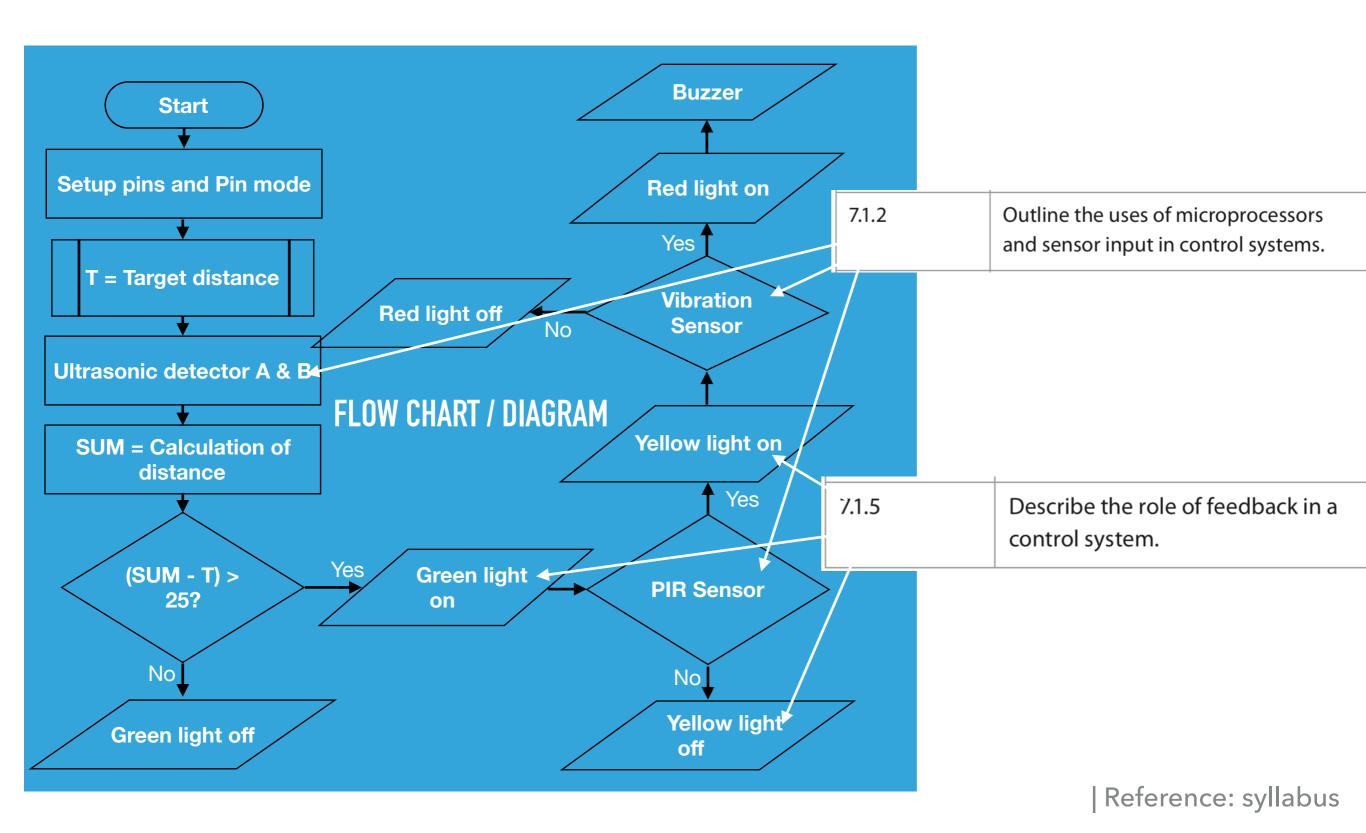
CONTROL

INTRUDER ALARM

- Motion sensors
- Buzzer

- Involves multiple concepts
- Easy to build
- Real-world application: "anti-thieves", home protection

DESIGN OVERVIEW



PROJECT IMPLEMENTATION

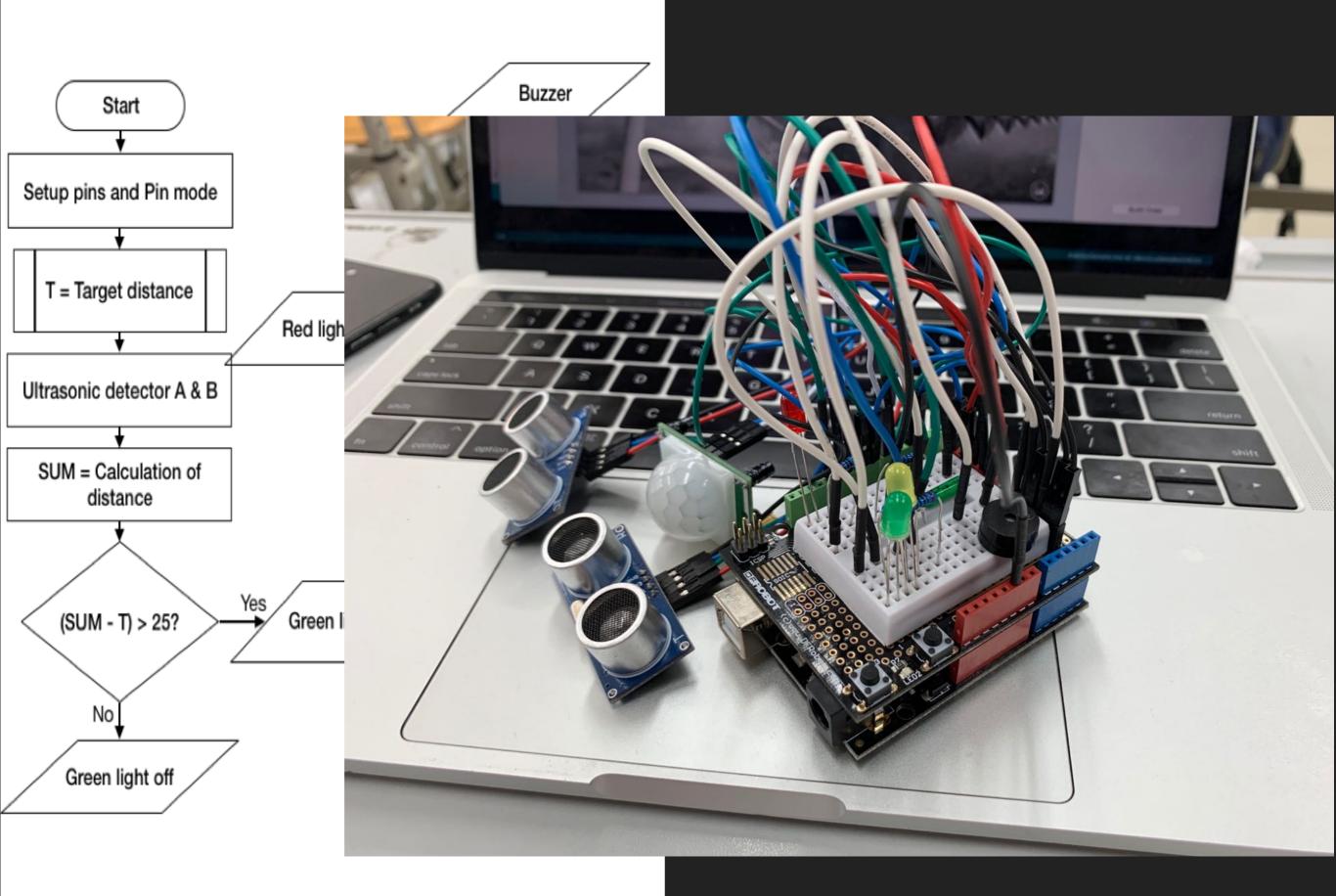
CHART FOR KEY COMPONENT A

Difficulties & Solution

CHART FOR KEY COMPONENT B

Difficulties & Solution

| Reference: pages of detection demo



PRO & CON

- Easily implement, viable solution
- Noise from environment -> not robust
- Insufficient feedback

FUTURE WORK

- Connect to more sensors & better algorithms
- Better sensors
- Connect to phones / laptops / other home control systems

Thanks!