

Presented by  
Team Alpha



# ALERTSENSE

Empowering Soundless  
Safety

Bagley College of Engineering  
Mississippi State University

# MEET THE TEAM



Advisor: Dr. John Ball

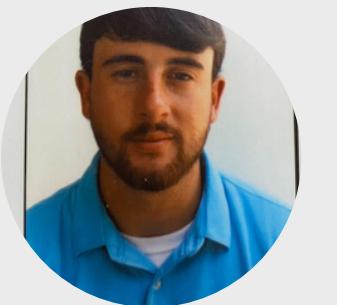
[1]



Team Lead: Cooper Robertson



Thach Nguyen



Collin Beech



Cody McDoniel



Josh Edoff



Jalen Noles

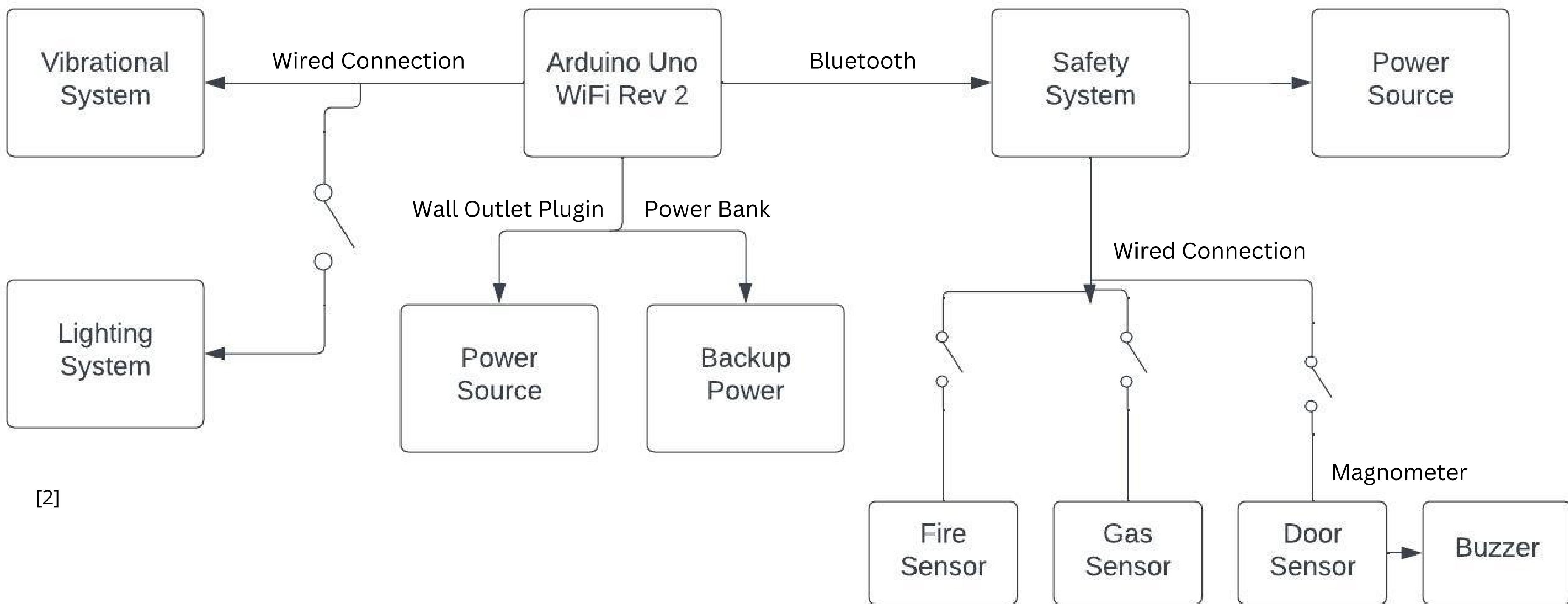




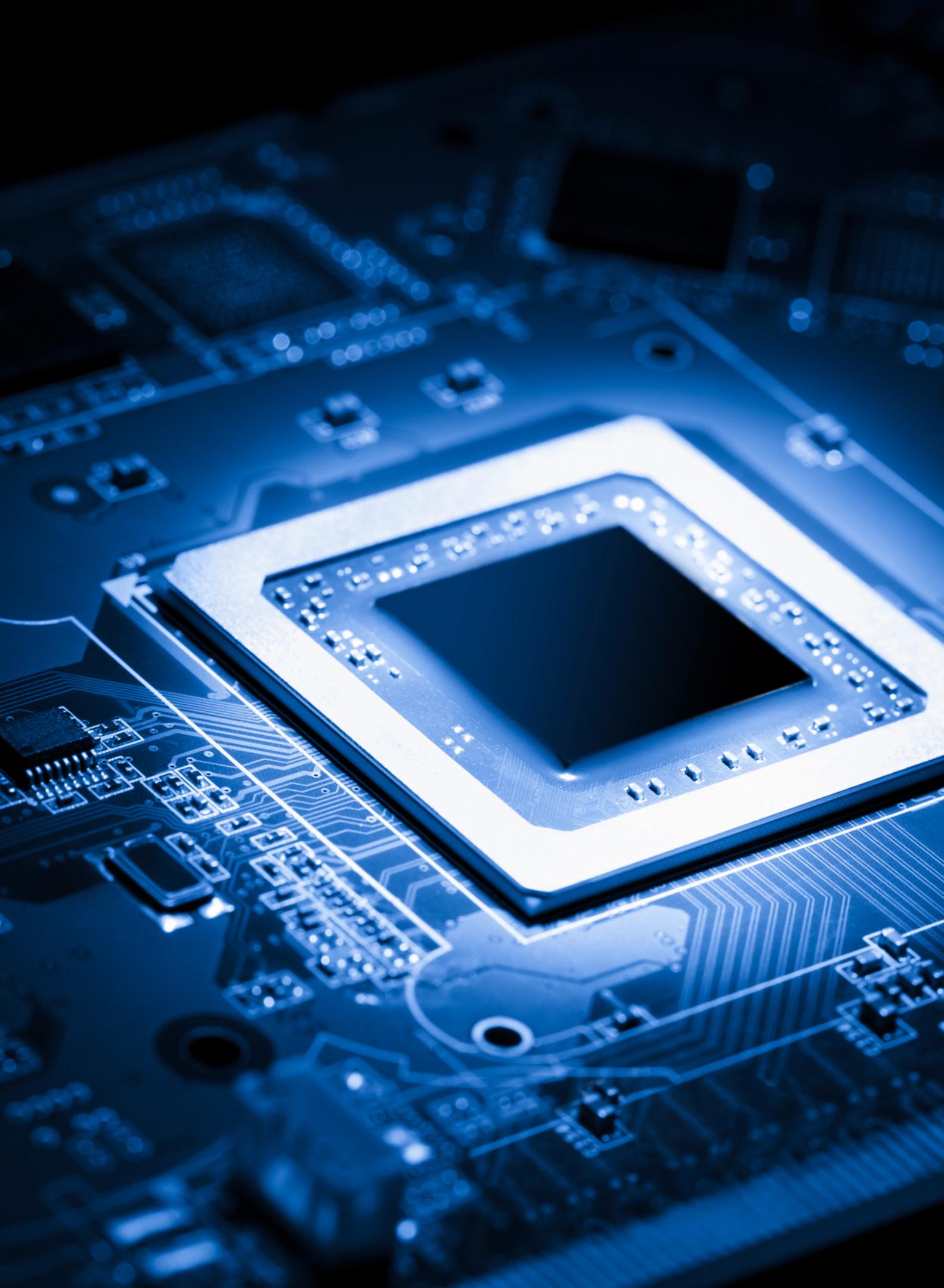
# DESIGN OVERVIEW

AlertSense is an alarm system with advanced security and safety features that alert the user if someone is attempting to break into the user's house or if there is a fire present. The device is primarily for people with hearing impairments or sensory impairments but can also be utilized by people who have trouble awakening. AlertSense aims to solve safety risks that could arise during the night.

# PRELIMINARY DESIGN

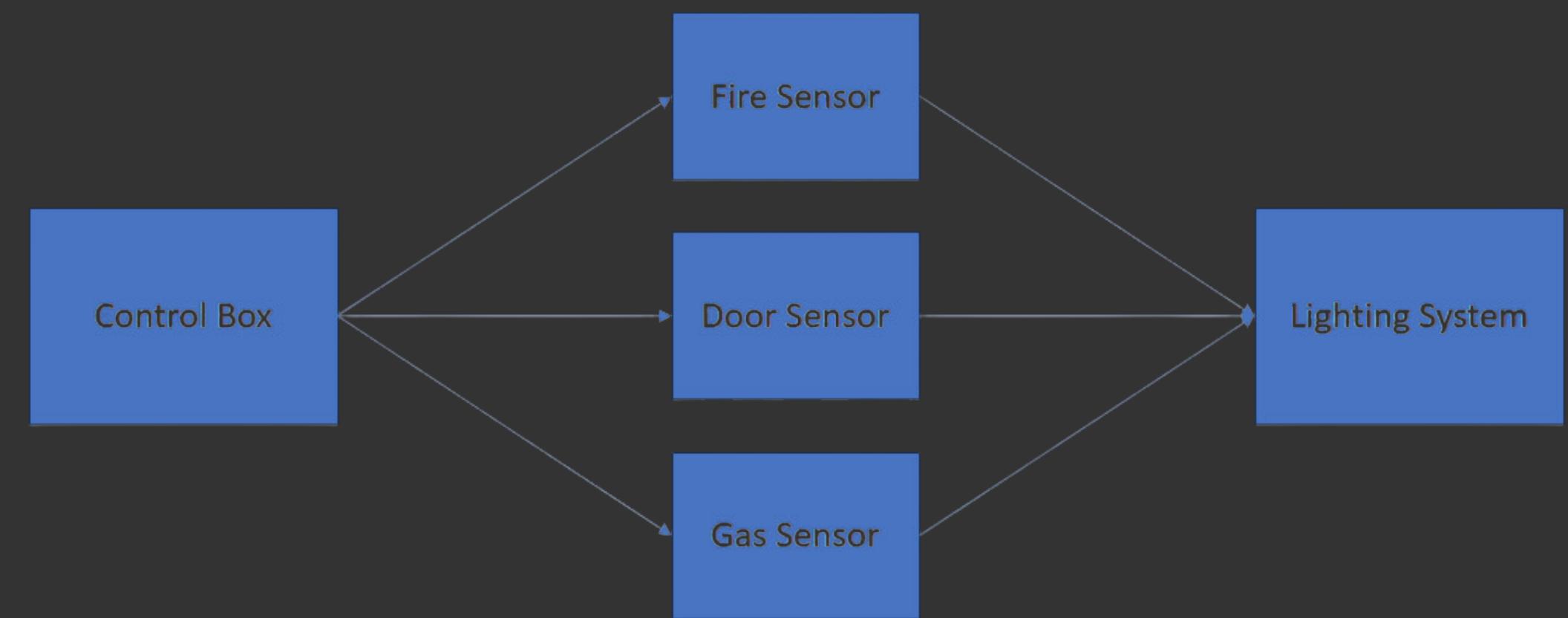


# CONTROL MODULE DIAGRAM

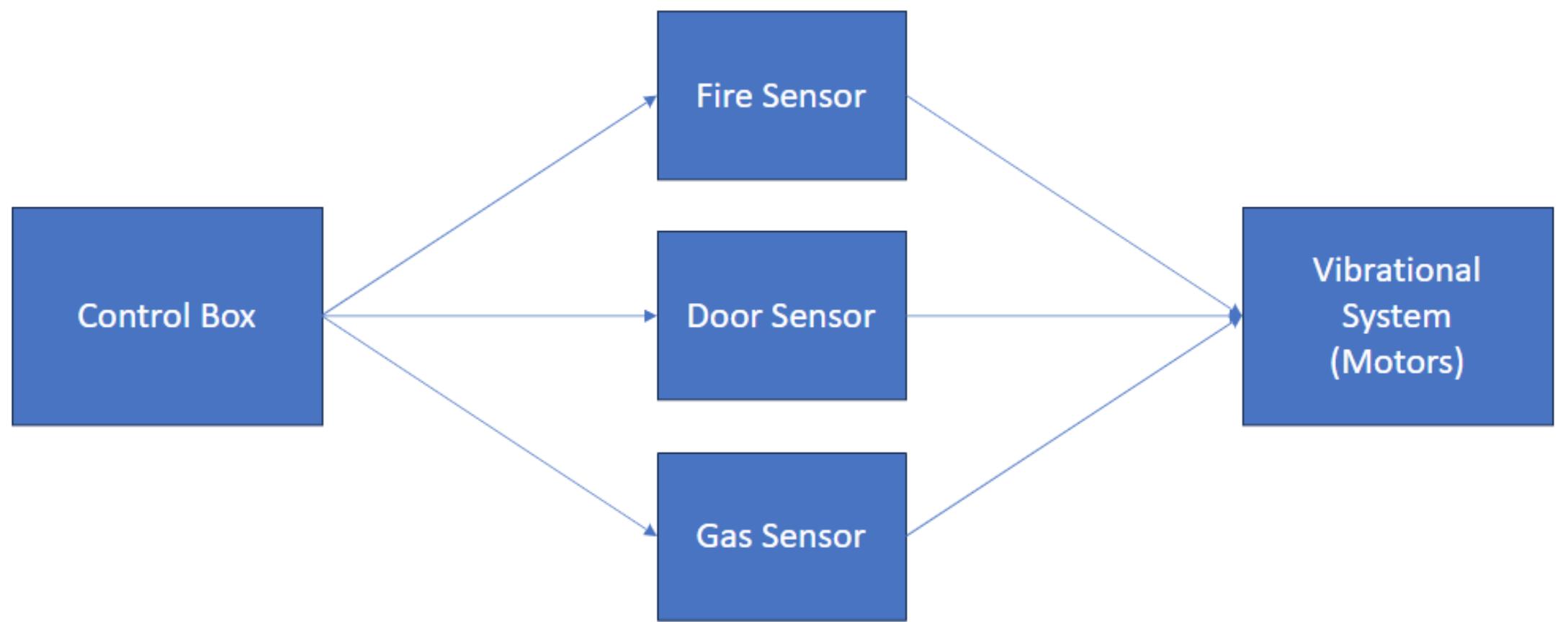




# LIGHTING DIAGRAM



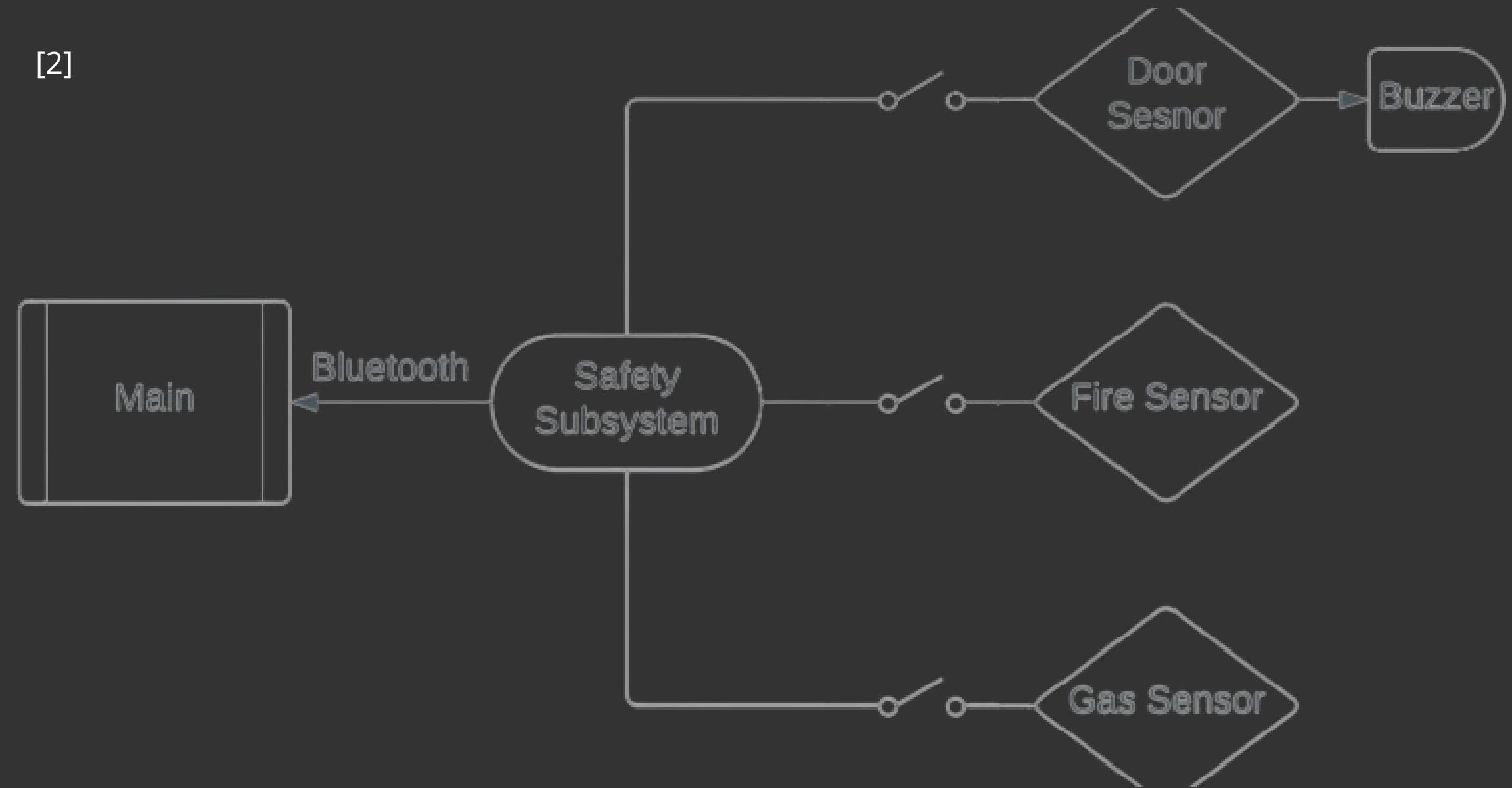
# VIBRATIONAL SYSTEM DIAGRAM



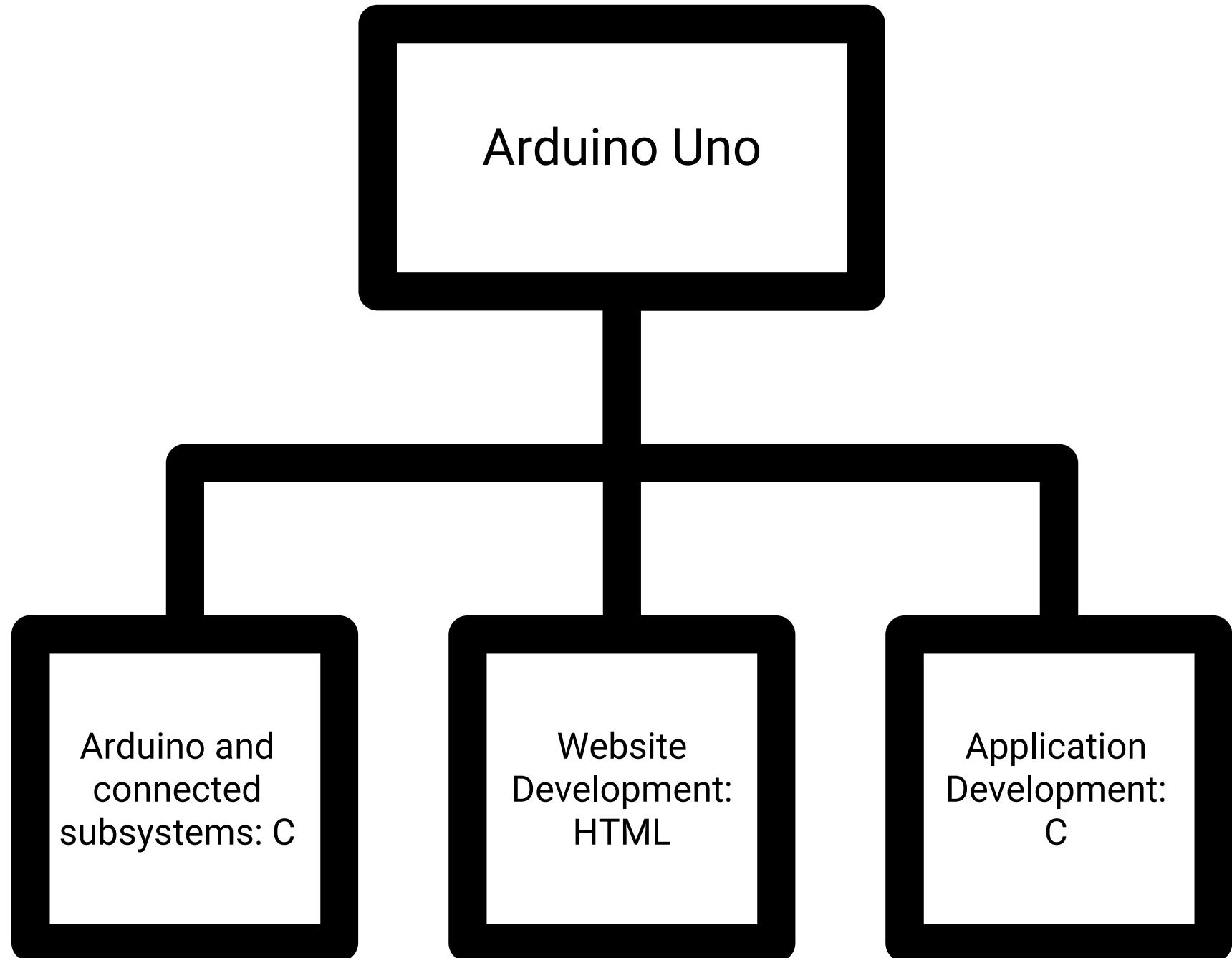


# SAFETY DIAGRAM

[2]



# DEVELOPMENT DIAGRAM





# AlertSense

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THANK YOU!  
QUESTIONS?



# Citations

- [1] “John E. Ball,” May 20, 2014.  
<https://www.ece.msstate.edu/people/faculty/dr-john-e-ball/> (Accessed Sep. 06, 2023).
- [2] “Intelligent diagramming,” Lucidchart,  
<https://www.lucidchart.com/pages/> (accessed Oct. 11, 2023).