

# Functional Decomposition

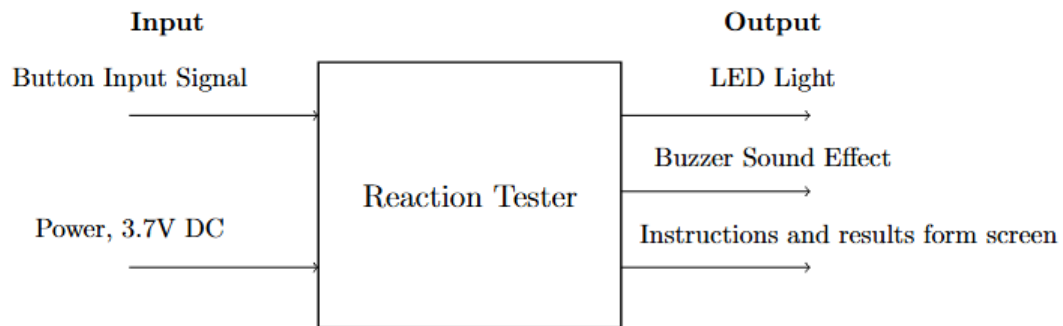
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11/13/2024

Version: 1.1

## L0 Diagram

### 4.1 Level 0 Block Diagram

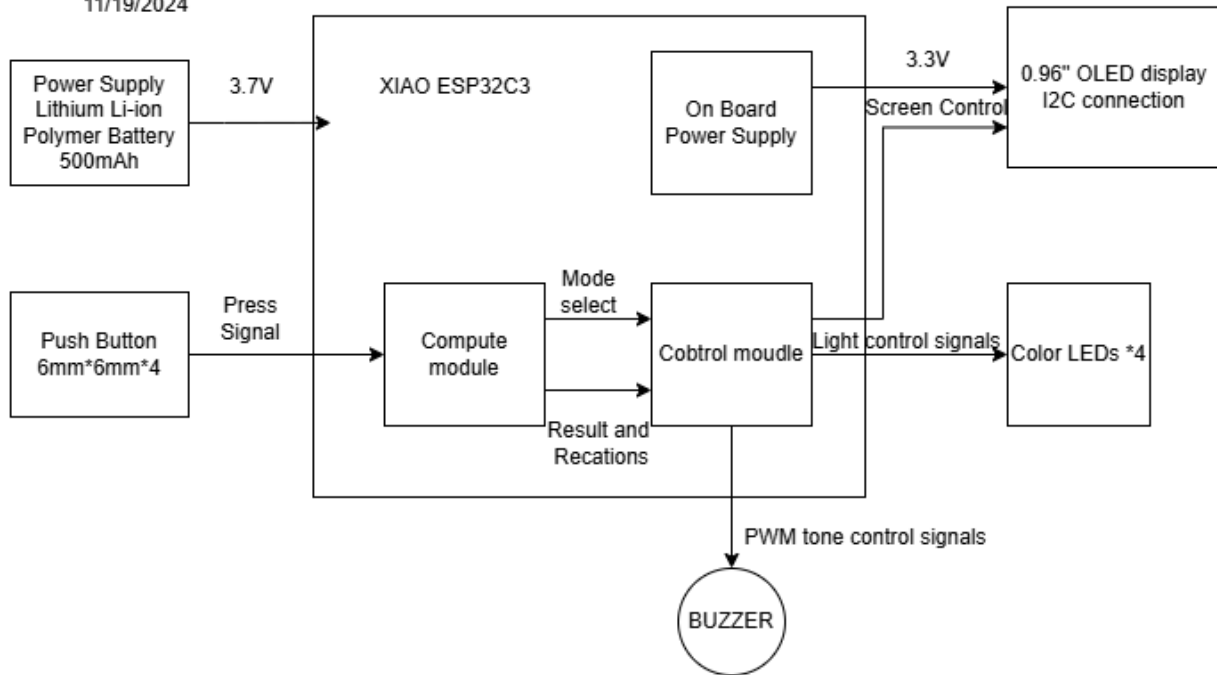


L0 shows the basic input and output of our device, its power will be from a 3.7V Lithium Li-ion Polymer Battery, and the buttons are the main thing the player interacts with.

The LED lights and Data form the screen will give the user a clear guidance about what they are going to do and what they'll get. The Buzzer is used to add sound effects to make it better.

# L1 Diagram

L1 Diagram  
ECE 411  
Team 10  
Crad Recation Tester  
Version 2.0  
11/19/2024



The L1 diagram shows more details about the device, and labels all the function of input and output signals. This device basically receives output from the buttons and shows the results after competition. Note that for the power supply, the controller is connected to a 3.7V battery, but the other components are powered by the board is 3.3V