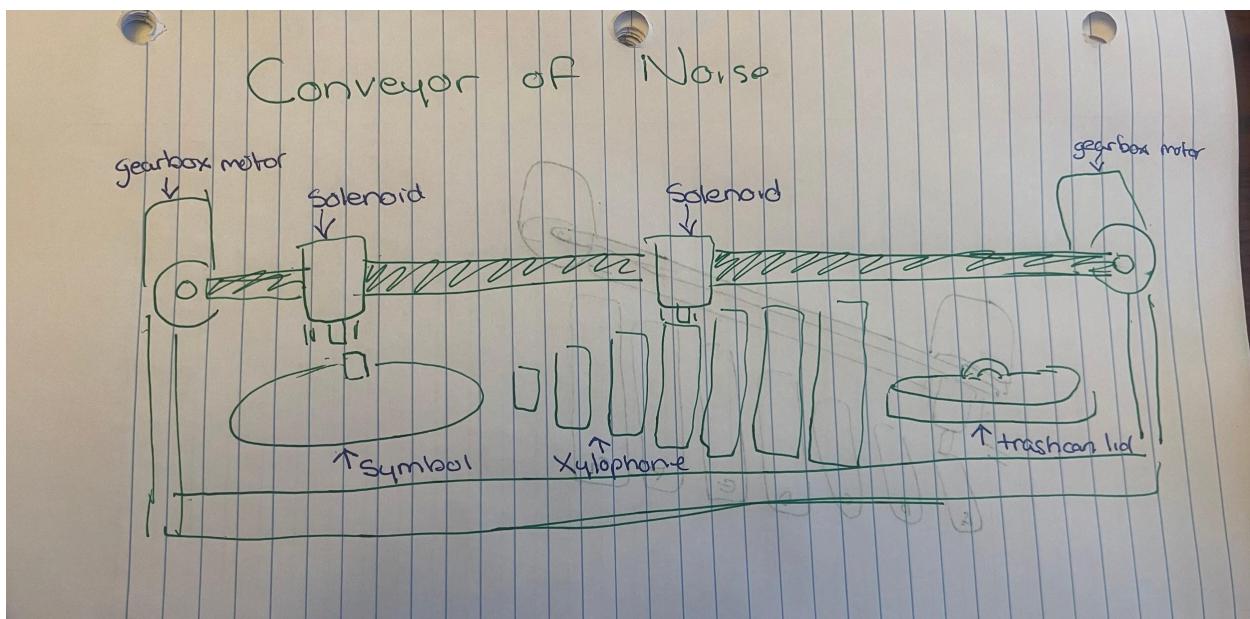


## Proposed Idea

The idea I have is to create a machine, which I call a Conveyor of Noise, with a line of objects and musical instruments, as shown in the proposed sketch. There will then be two solenoids permanently attached to a conveyor belt, and the DC motors will pull them left to right, creating a loud, varying sound. The use of actual instruments allows for a lighter sound, while the trash can and symbol give a lower tone more booming sound. The solenoids provide a distinctive vibrato to each object/instrument, making them the perfect tool for the job. The pillars holding the motors and Solenoids will be constructed from wood and will use additional wood, along with miscellaneous objects, for stability. The battery will be attached near one of the motors, and the whole thing will be controlled by the ESP32s.

## Proposed Sketch



## Proposed Materials

- (2) Solenoids
- Symbol
- Large Xylophone
- Trash Can Lid
- Gearbox motor
- Conveyor belt
- (2) 2x4 of wood