Maintenance Meetup 1 Notes

* The noises they liked were really loud and obnoxious, like an alarm but not fire alarm like. Something loud and glaring.
* Don’t use sounds that are like phone notifications or phone calls
* Manholes, want people to know that they are encroaching on a manhole
* Inside vs outside noise

Simulation Ideas

* ~~Walkthrough with a ladder where they stand on the ladder, wearable will make noise if they are x radius away from the maintenance worker~~ **~~(Marcus)~~**
* ~~Walk into room with certain decibel level, the device triggers a noise when ambient sound around them reaches above 85 decibels~~ **~~(Modular Noise Sound) (Daniel)~~**
* ~~Similar to ladder, difference noise environment because it will be outside instead of inside. They are x radius away from a manhole~~ **~~(Screaming Goat Sound) (Tiera)~~**

**Interview Transcription**

* Work on ladders in enclosed areas in pairs
* Students often do not pay attention, putting person on top of ladder at risk
* If working by themselves, need a beep to hear if someone is walking past
* Maybe use a laser
* Notify worker AND student that they are intruding on boundary
* Can use door chair and 360 degree motion sensor to find distance
* Outdoor manhole - students disregard caution tape
* Height above 6 feet (OSHA regulation), need to use special equipment, notify worker
* Device needs to be able to adapt to different scenarios ( inside vs. outside, tight spaces vs wide open spaces)
* Need to be able to sense the sounds around the workers
  + If room is greater than 85 dB (at any moment) it needs to notify worker to put on hearing protections
* For scenario about students encroaching work area, only need one general sound for students coming, don’t need multiple sounds for multiple students