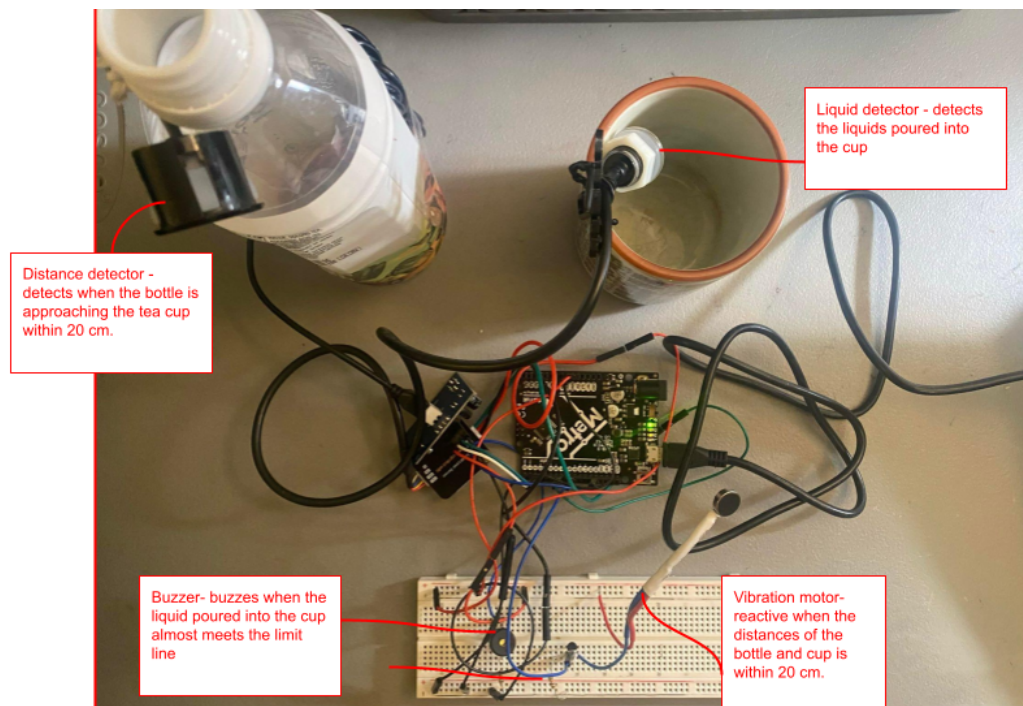


P6: Project Summary Sheet

Project title: Don't Burn Me Detector: A Smart Solution for the Visually Impaired.

Concept: Don't Burn Me Detector: A Smart Solution for the Visually Impaired is a sensor that can 1) indicate when the object, the bottle is approaching the cup glass so that the user can know when it is safe to pour, 2) indicate when the liquid has reached the level that has to be stopped or it will spill or overflow.

Usage: The use of this system is to guide users with visual impairment to properly target the container such as a cup or mug before they pour the liquids in. The liquid detector is attached to a 3D-printed clipper, which is clipped onto the edge of the cup. When the liquid is poured into the cup where the limit is, the system will buzz to indicate stop pouring. The distance detector is tied to the bottle in which the liquid is filled. When the bottle is approaching the targeted cup, around a distance of 20 cm, the proper working distance to pour, the system will vibrate indicating stop and ready to pour.



1. MOVE the bottle to the position about to POUR.
2. EXPECT the signal of vibration. Once it vibrates, POUR the liquid into the cup.
3. POUR the liquid into the cup and EXPECT the buzzer to alarm.
4. STOP the pouring action upon the buzzes alarmed.