/// SMART DOORBELL DESIGN DOCUMENT ///

/// PROTOTYPE 1 ///

RINGING DOOR...
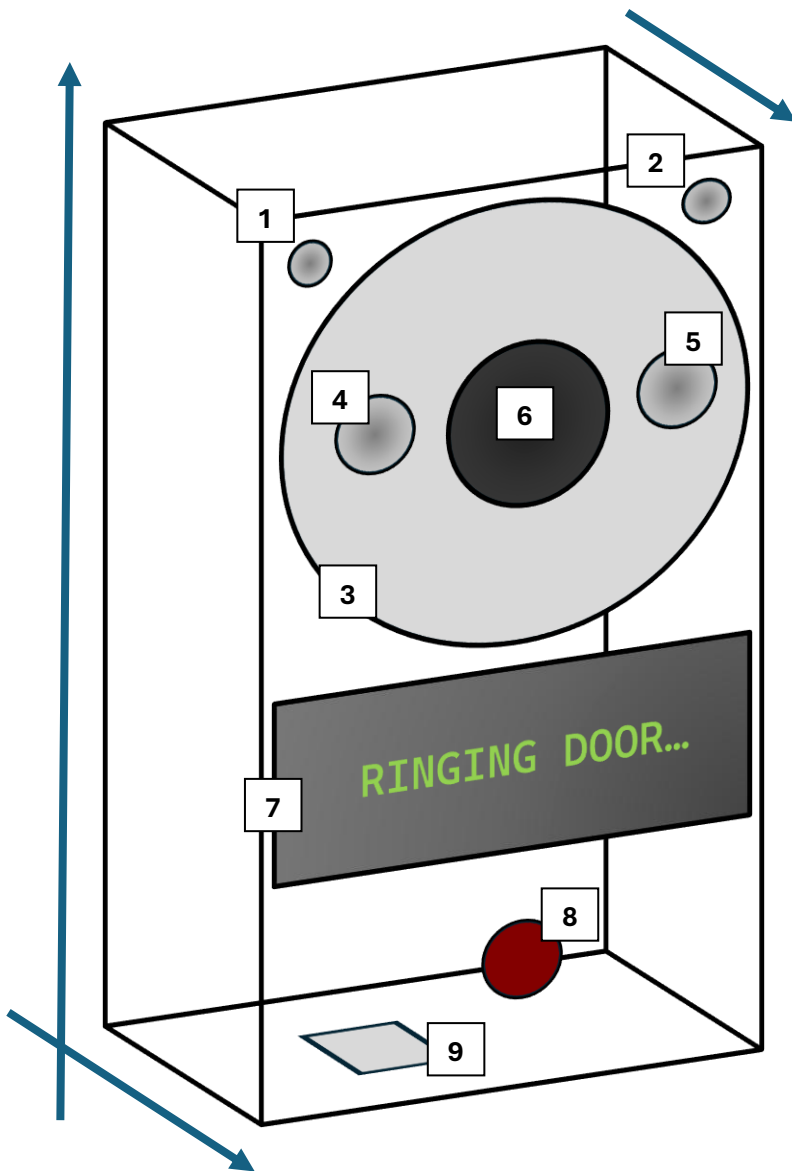
[1,2] Temperature + Light Sensor

[3] Cardboard Circular Shroud (Optional)

[4,5] Ultrasonic Ranger + Motion Sensor

[6] Camera

[7] Display
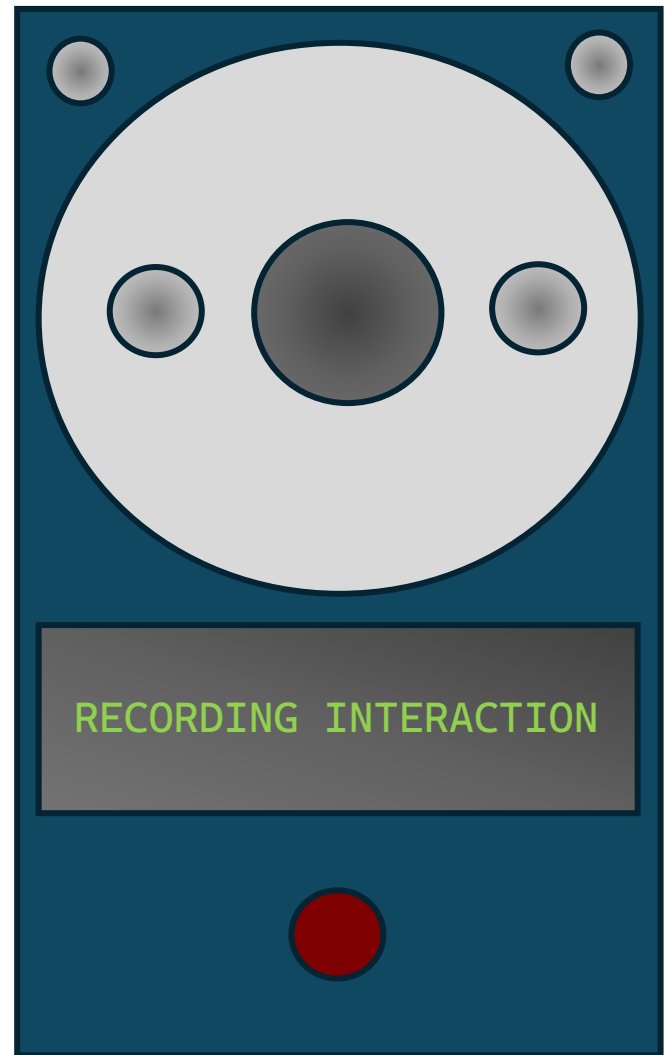
[8] Ring + BT pairing button
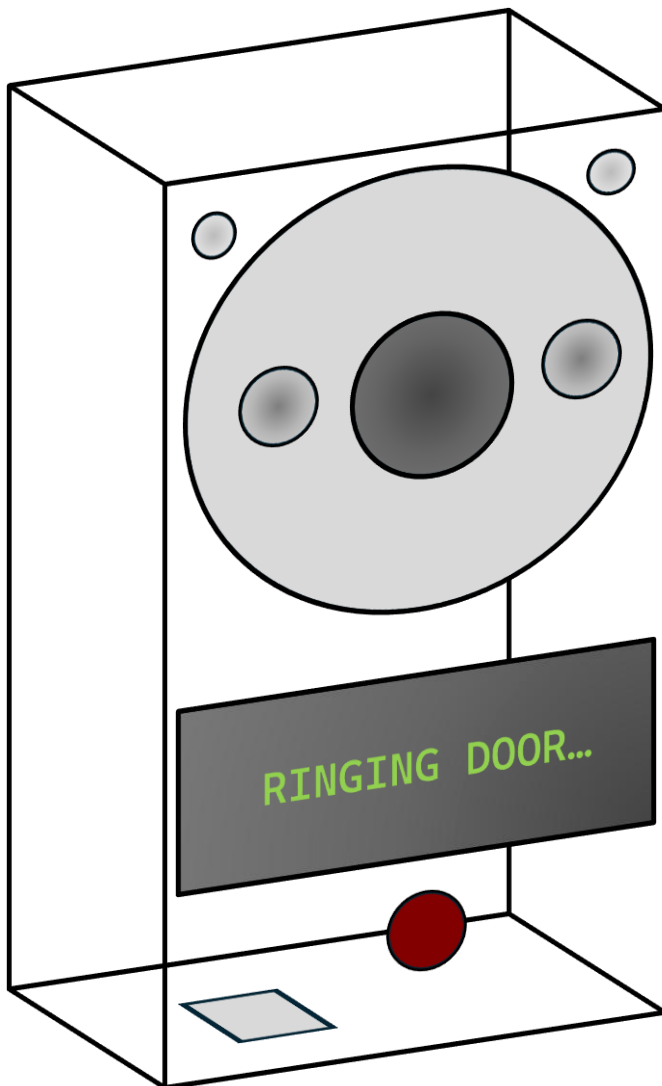
[9] Buzzer

Construction Materials: Cardboard

Not Illustrated: Raspberry Pi, Arduino, Bluetooth Module, Cable Holes / Ports.

Dimensions are not accurate.

Frontal 2D Illustration

RECORDING INTERACTION

3D Illustration

RINGING DOOR...

Assembly / Construction Details (Rough Ideas):

- Access to interior of cardboard frame from the rear (the flap).
- Large cutouts made in the cardboard frame for hardware.
- Precise cutouts made in the cardboard shroud.
- Shroud fastened to the frame using glue.
- Hardware devices fastened using electrical tape from the interior.