People are creatures who need a sense of connection in order to exist. To be alone in a room with a closed space, in prolonged silence, with no one around and no sound, is a loneliness that approaches the fear of death.

Vigilance

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Inspiration

My project was inspired by my current state of life. I am concerned that people are sensitive to sound. Living alone for long periods of time, in a room with a closed space, it is like I lost contact with the world and all the silence and noise makes me tense emotionally Which affects people' mental state extremely. But when people are controlled by subconscious fears, they might completely miss that it is the sound playing tricks on them!

concept :

I hope that the participants will feel and explore the relationship between silence and noise, movement and stillness through the interaction with the installation.
It is hoped that through the visual, auditory and spatial interaction of the installation, the participants will be able to mobilise their tensions and fears, thus allowing people to think about the relationship between silence and noise in the interaction. In silence makes fear more fearful ....

Research

Orfield Laboratory
Anechoic chamber experiments

Some discussions

"The room is quiet, my head apparently is not,"

In extreme silence, human brains will speed up and any sound heard will create excessive associations and imagination.

Too much silence will amplify a person's loneliness and magnify the source of one's inner fears

BrainStorming

Sudden noise and rapid silence

Environment Emotions

Fear of change

Lost auditory function lost information pre-judgment

catch information
process information
auditory interpretation

SEDATEPHOBIA

Silence——expectation
Darkness—— unknown，resistance

Subconscious expectation

Like :
Horror movie
Social silence

"Sound is such a constant thing, we don't even think about it" says Eric Heller,

Idea Sketch

Idea One:

This idea needs cute housing to make it look a bit more approachable or quirky. When someone passes by, the distance sensor detects the position information, and the signal is transmitted to the motor to make some funny body movements. If the person is in a stationary state, probably working or studying, the sound of tapping the keyboard or writing is played through the buzzer or speaker, as if someone is studying with you, giving the feeling that "I am not alone all the time " kind of atmosphere.

Idea Two

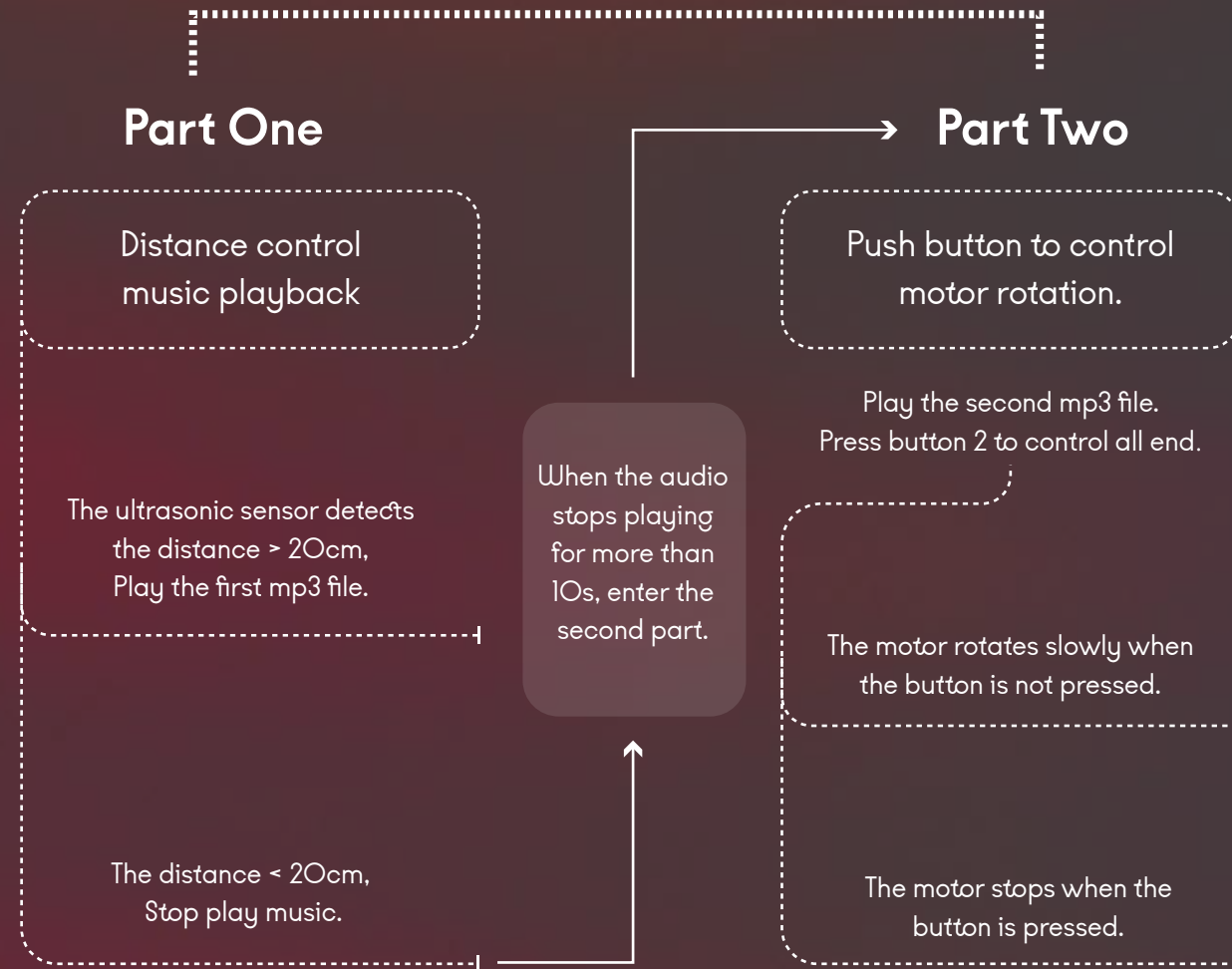**Idea iteration** →
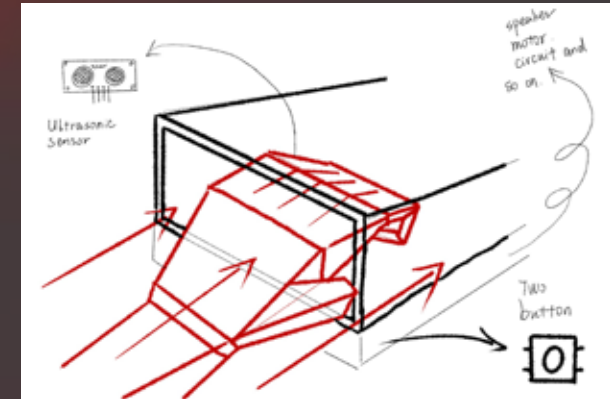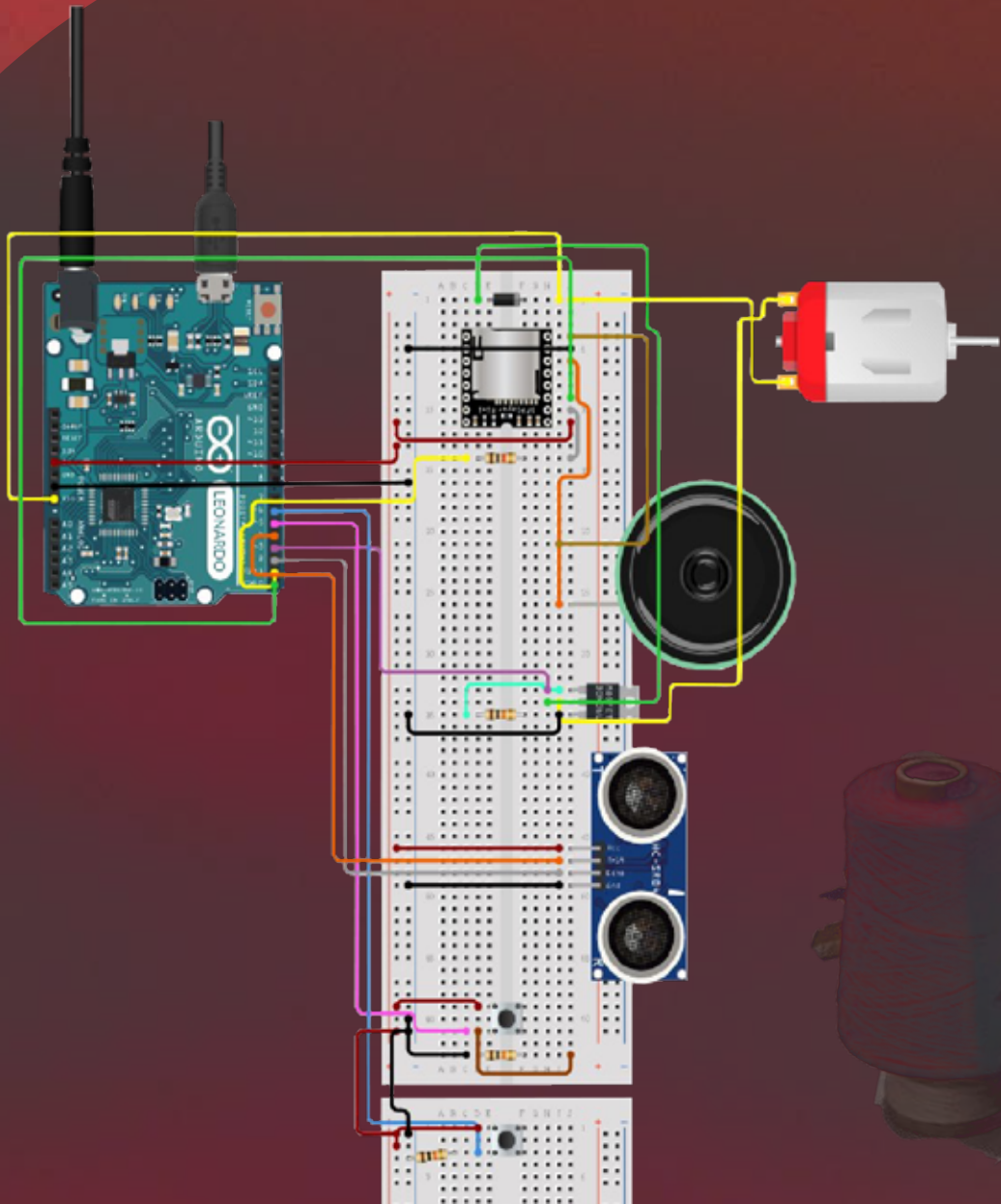
Input & Output

Ultrasonic Sensor

Speaker

Button

Motor

Other Hardware

Coding Logic

Arduino

Part One

Distance control music playback

The ultrasonic sensor detects the distance > 20cm, Play the first mp3 file.

When the audio stops playing for more than 10s, enter the second part.

The distance < 20cm, Stop play music.

Part Two

Push button to control motor rotation.

Play the second mp3 file. Press button 2 to control all end.

The motor rotates slowly when the button is not pressed.
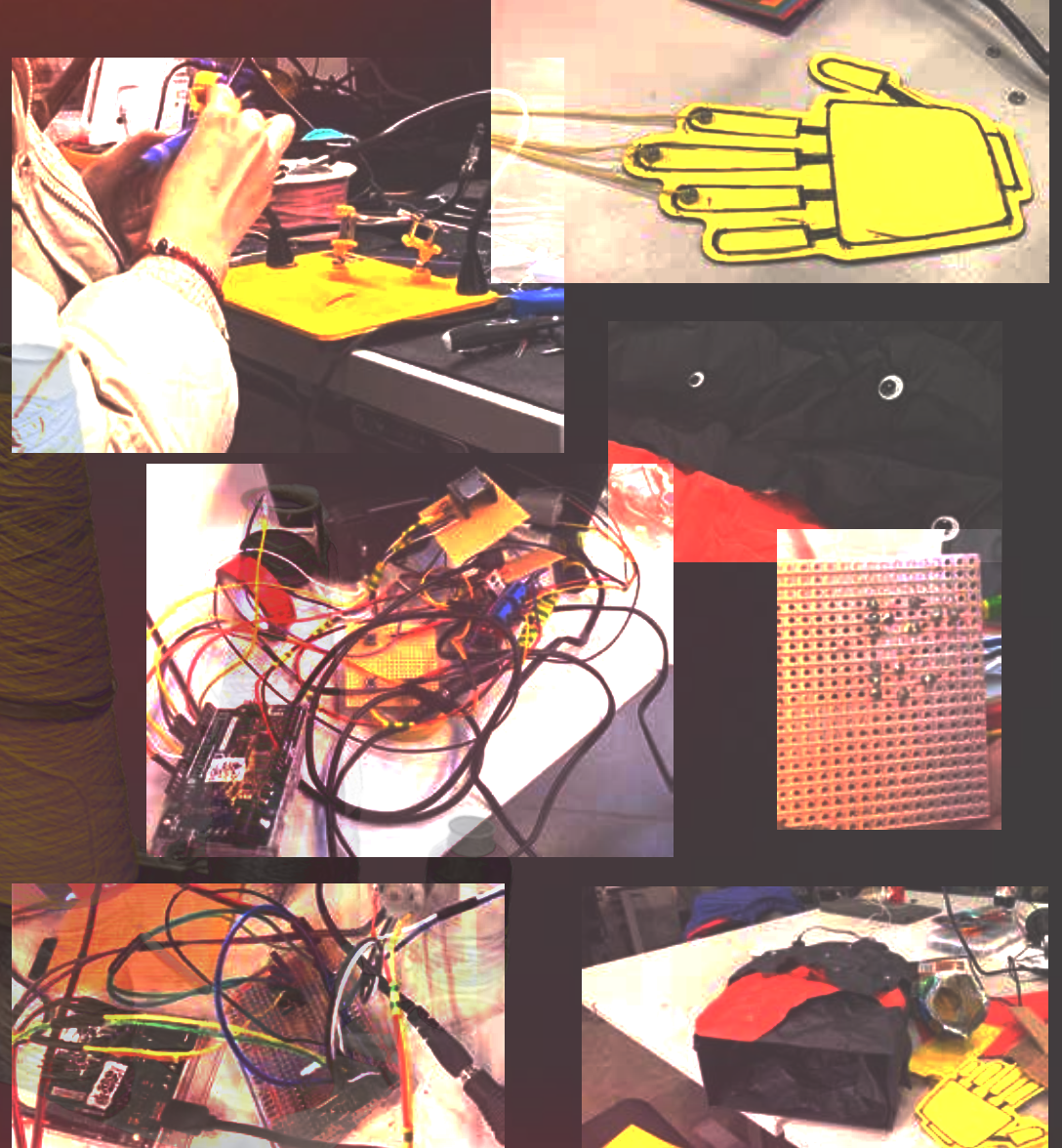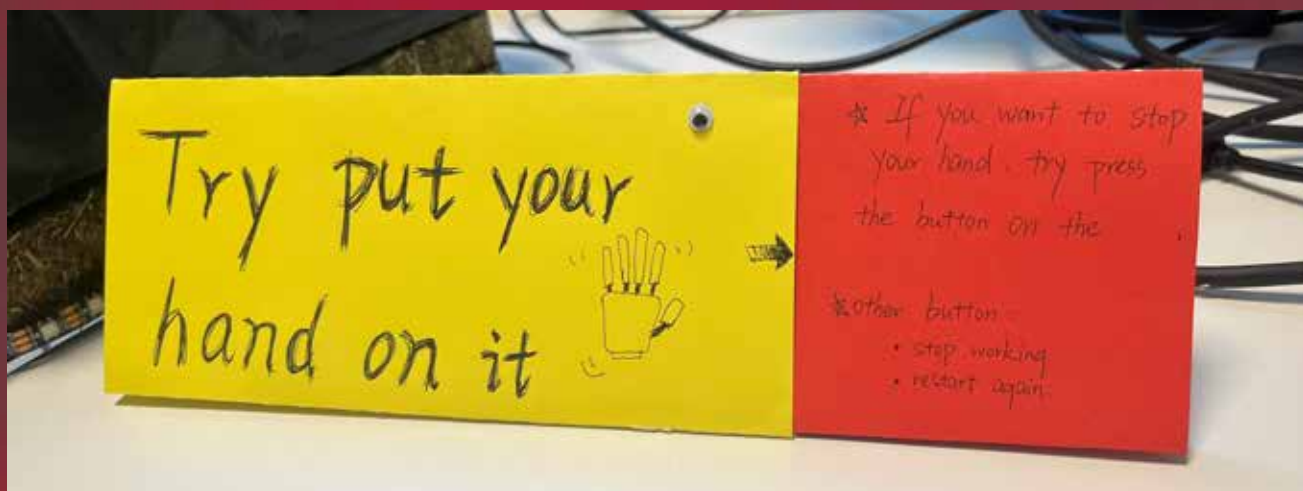
The motor stops when the button is pressed.

Online circuit simulation

Making Process

Final DISPLAY

Housing

Try put your hand on it

* If you want to stop your hand. try press the button on the ...

* other button :
  • stop working
  • restart again.