Clever Buddy

COMPANION ROBOT

Contents

Problem

Mental health problems increase the likelihood of illnesses and situations that put the person at risk. Currently, depression and anxiety in young people have reached the top positions in mental health problems according to the WHO. Mental health is all about the perception of your life and your way of thinking. The person should be able to manage stress and make decisions. Mental health is no less important than physical health at any age.
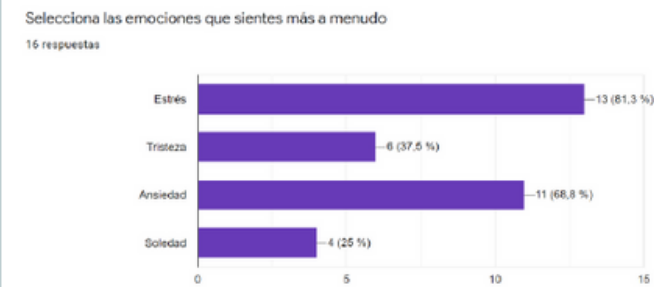
Context

- Due to covid 19, a lot of people felt loneliness and depression because nobody could go out and hang with freinds or with anybody.

- There are many persons that fight every day dealing with their inner emotions.

- Lots of people are victims of depression and anxiety .

- There are many kids that can't express themselves or have trouble around their media.

- There are many adults that can't enjoy a free time - break because of their thoughts. (Anxiety and Stress.)

- Change in the perception of social robots as a result of the reported change in people's lives due to COVID-19.

Investigation

SET

Opinion Polls

Persona Map
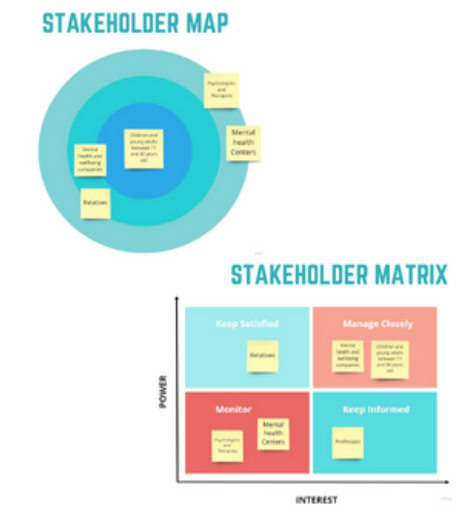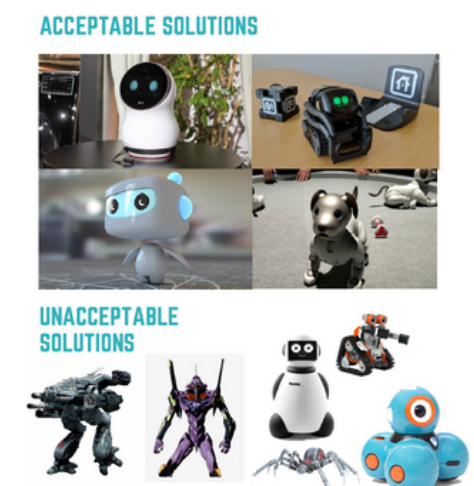

Stakeholder Map

Customer Journey

Insights

Requirements

Design Criteria

User Profile

Nombre: Javier López
Age: 18
Occupation: Student

Frustration
He doesn't have time to take care of a pet.

Objective
Find a solution so that Javier does not feel the emptiness of his apartment, and has company that encourages him in his moments of stress and loneliness.

Behavior:
In his city he used to be very social but now in a new city he has become a little shy, he is having a hard time adapting to his new living place and sometimes he feel's alone.

Needs and Requirements

- A companion for mental health that decreases depresión and feelings of loneliness.

- Help in times of stress and anxiety by transmitting peace.

- Share meaningful moments with someone.

- It should be small and light in weight so users can have the possibility to carry around everywhere.

- Easily to transport and with a good quality to prevent any damage caused by the environment during the transportation.

- Adorable and friendly appearance design

Opportunity

Designed for wellbeing (Trend 2021)

Generated Values

- Wellness
- Reduces anxiety
- Motivation
- Provides hope

Technologies

- Bluetooth
- Sound Sensor
- PIR Sensor
- RGB LEDS
- 8X8 RGB LED Matrix

Development Process
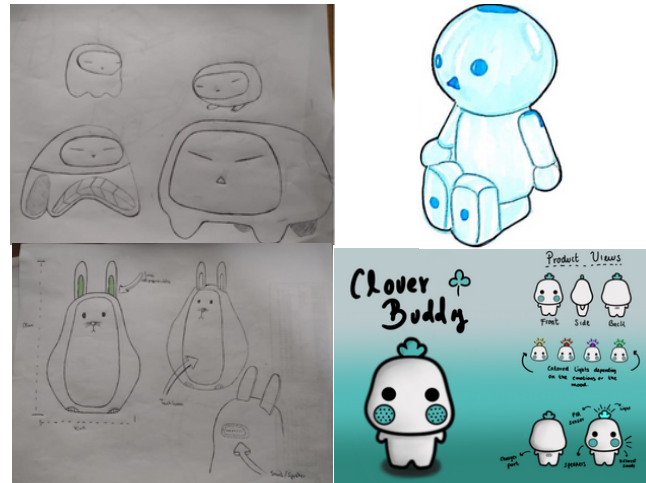
Ideation
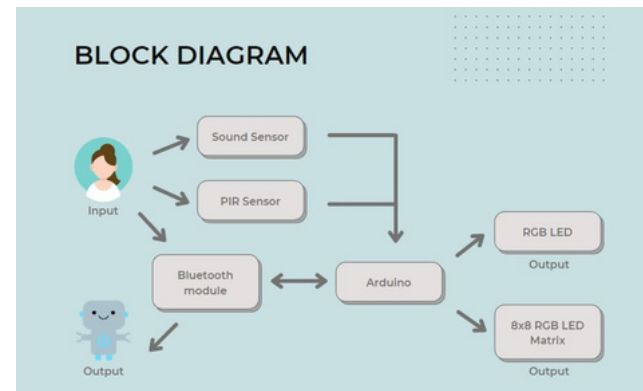
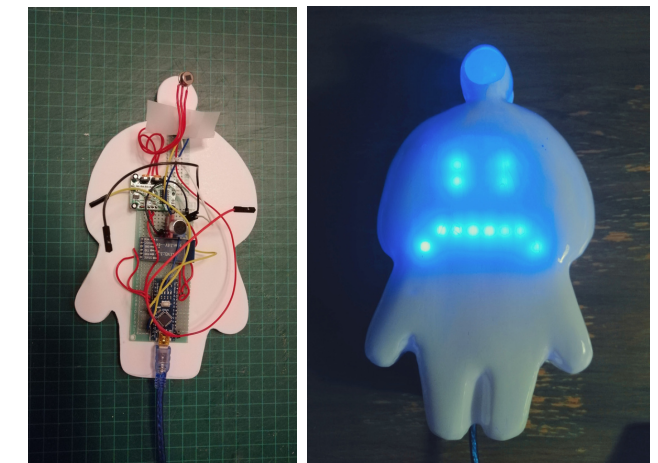
Block Diagram

Individual Prototypes

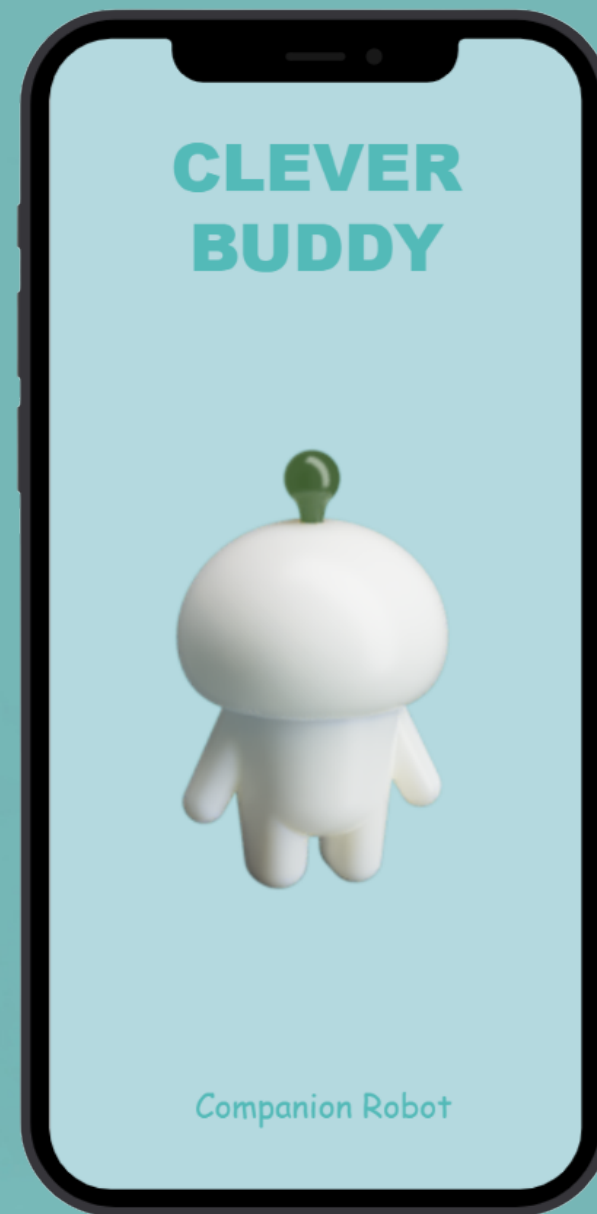Individual Code

3D Model
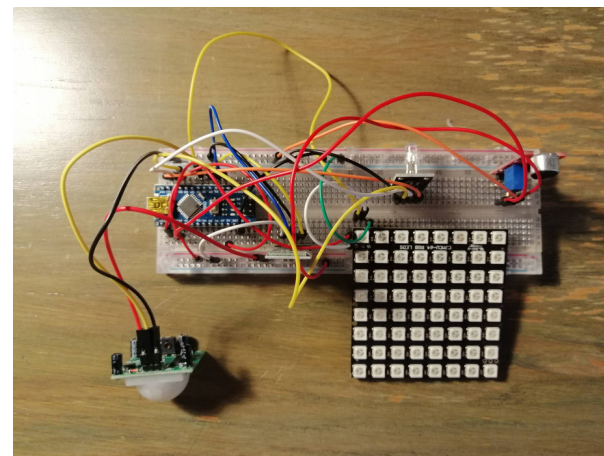
Final Circuits

Prototype

Integration
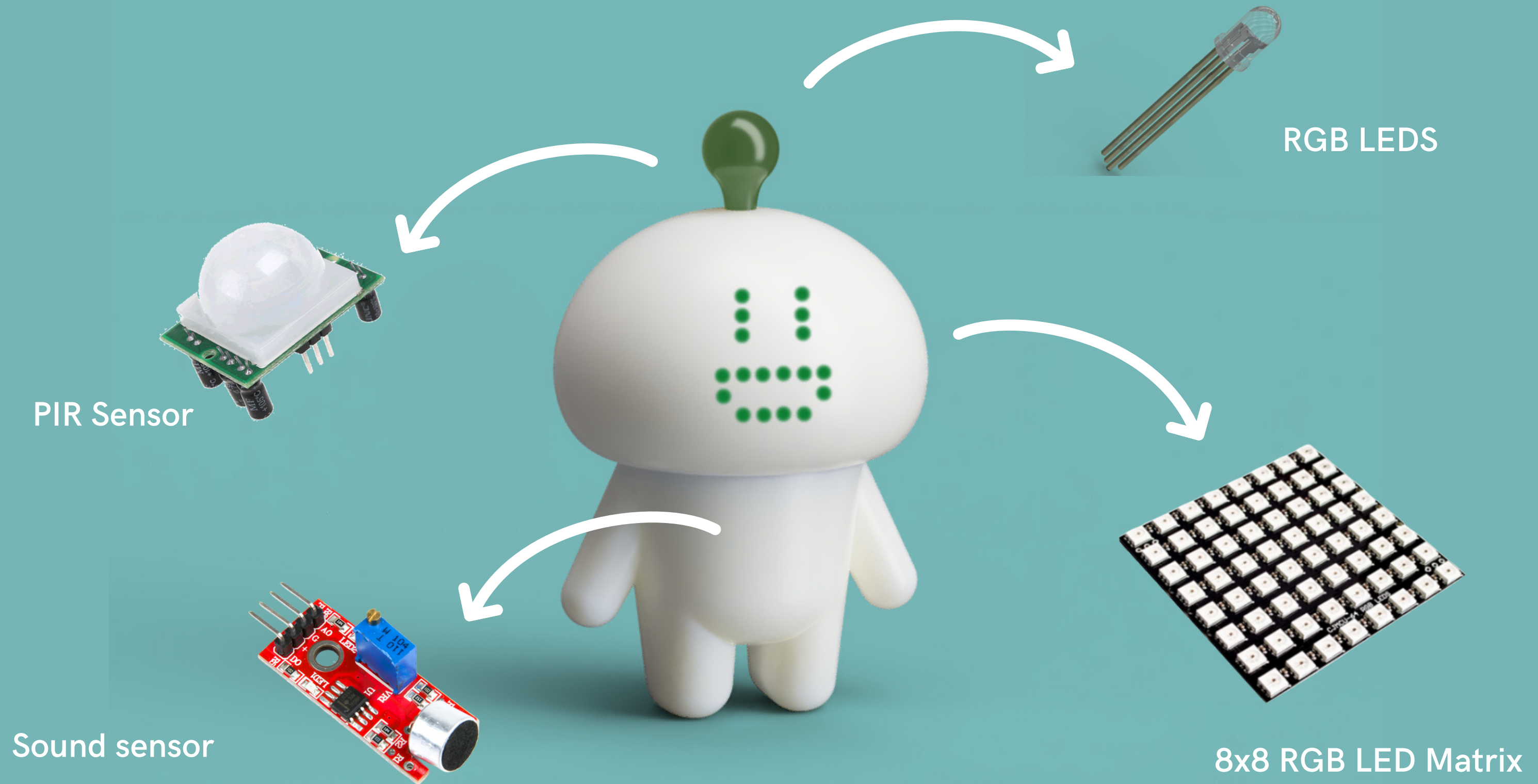
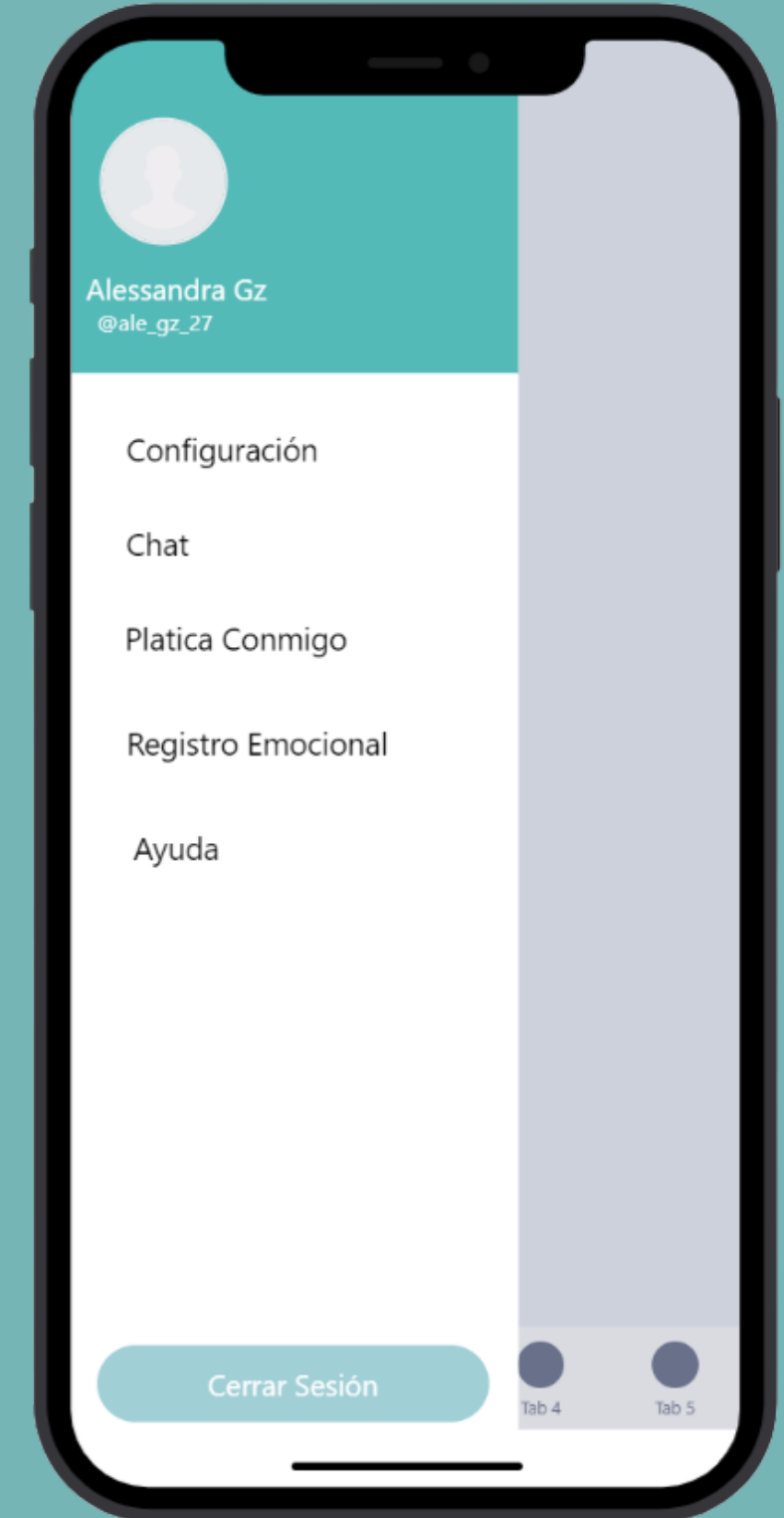# Final Solution

Companion Robot

App

Clever Buddy

A Robot that will help you reduce your negative emotions and accompany in every situation.
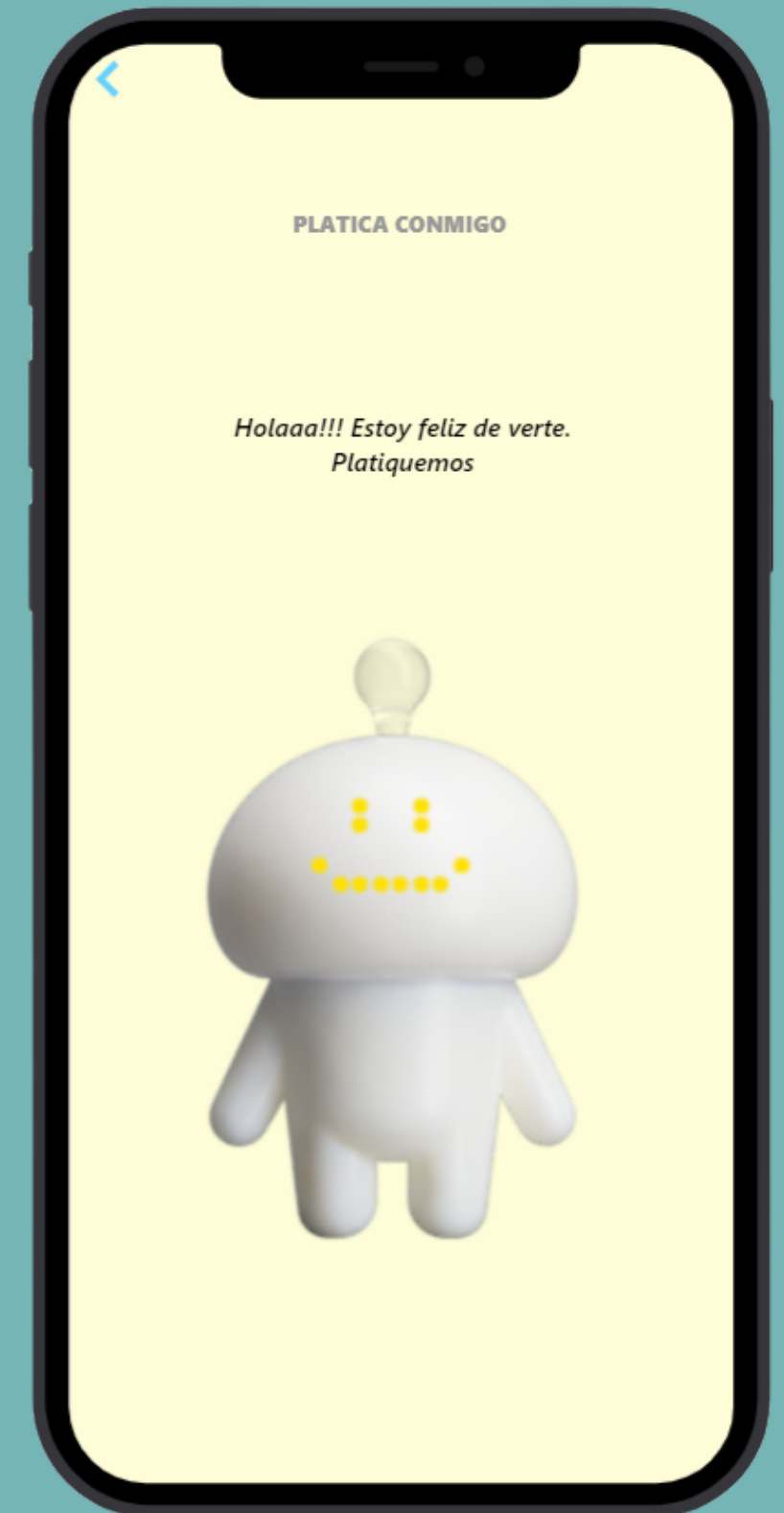
Parts of the Robot

RGB LEDS

PIR Sensor

Sound sensor

8x8 RGB LED Matrix

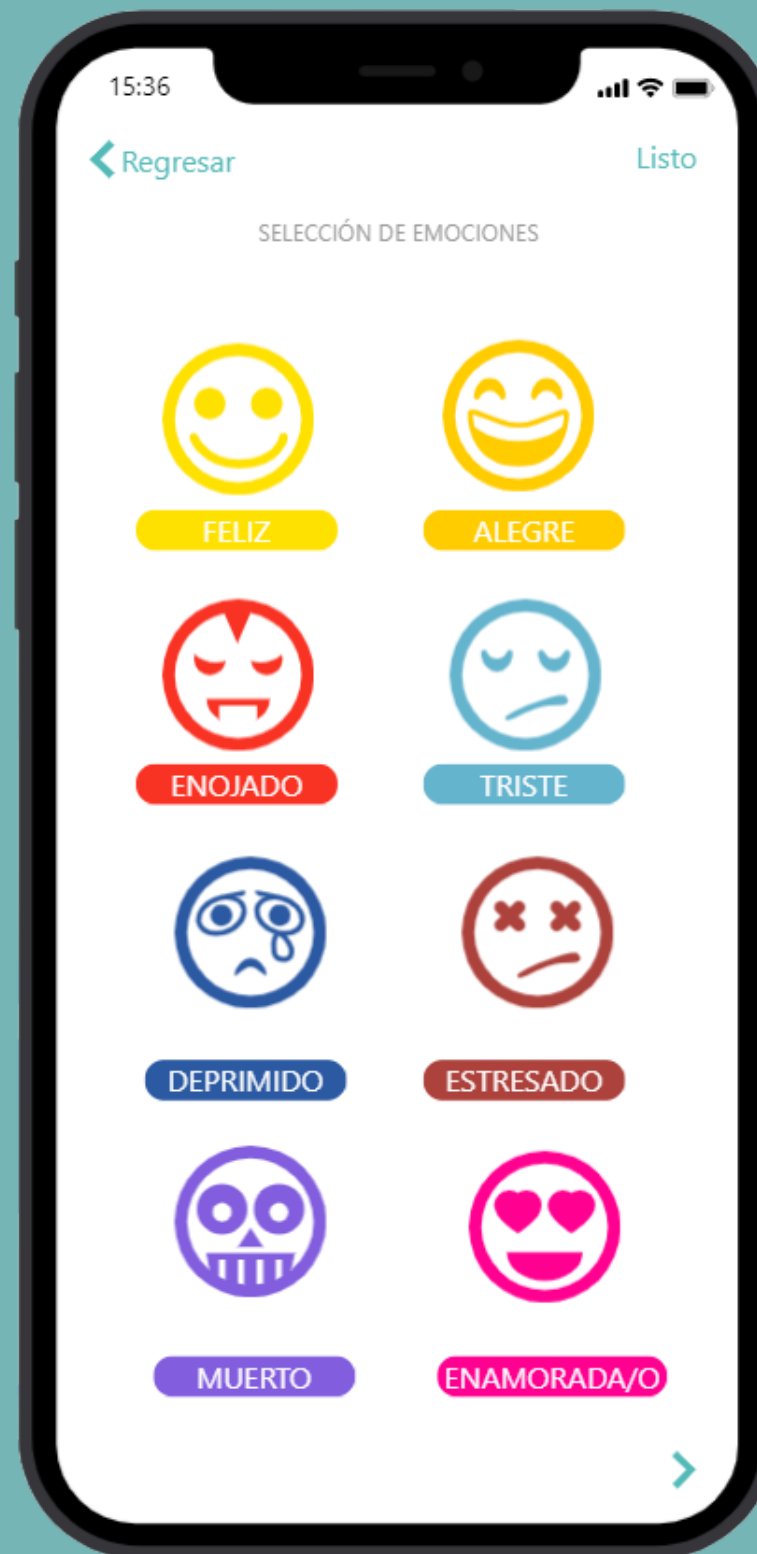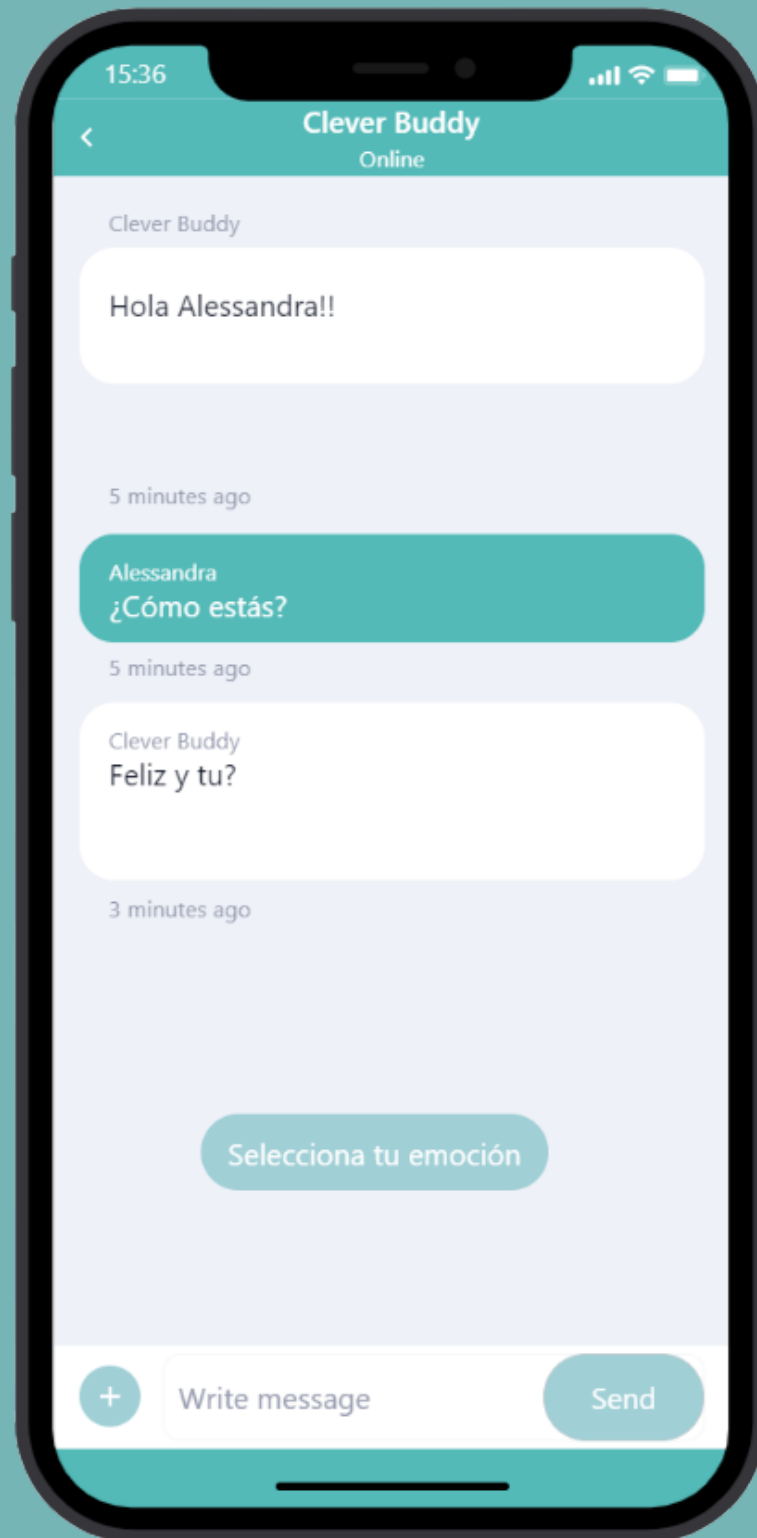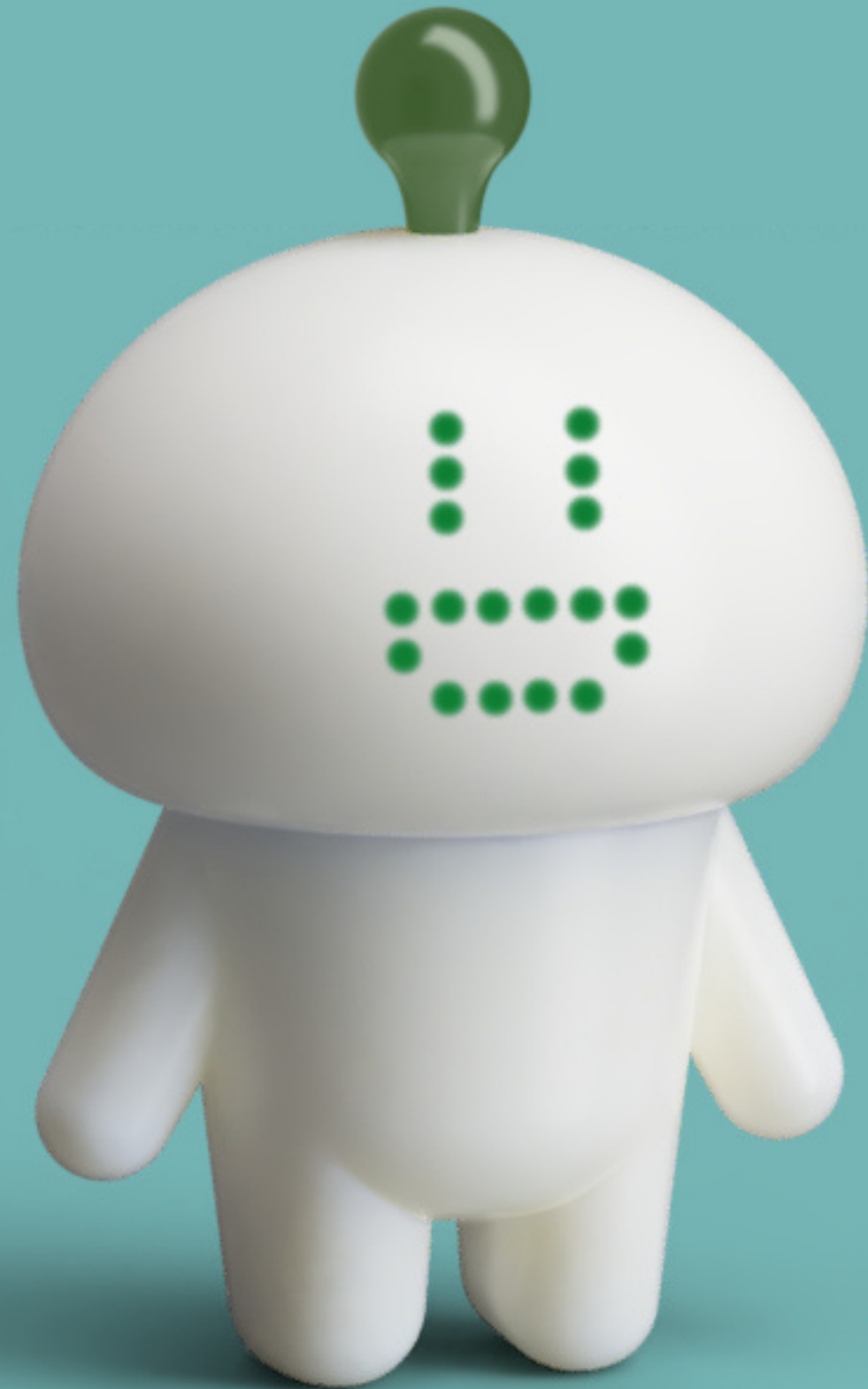Clever Buddy - App

Clever Buddy - App

Thanks!

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