

Ashley

Art 385

30 April 2020

Project Ideation

### Assignment

For this project I'm taking inspiration from a scene in the movie *The Fifth Element*. In this scene one of the main characters, Lelu, shakes concentrated food pills into a dish that, when put into a "microwave" becomes a full-sized oven roasted chicken. I'd like to make a machine that can turn concentrated food into an actual meal.

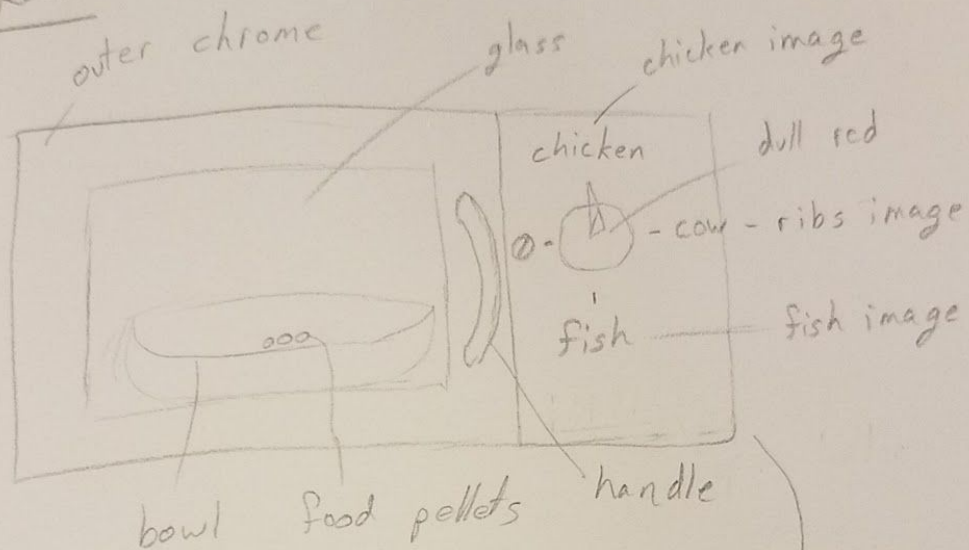
### Audience

The intended audience would be those interested in closing the gap in food availability and affordability.

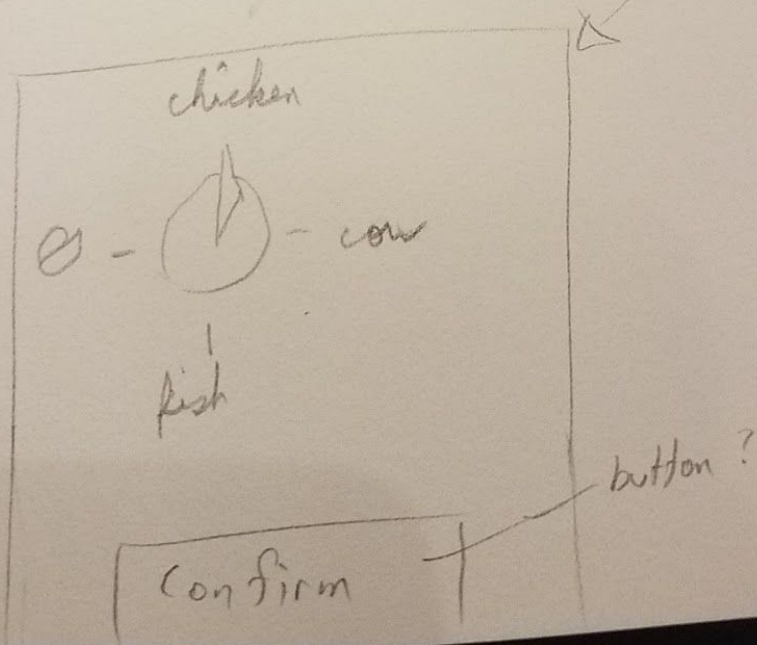
### Sketch

outputs: ~5 = RGB LED + LED + on screen

Sketch v1



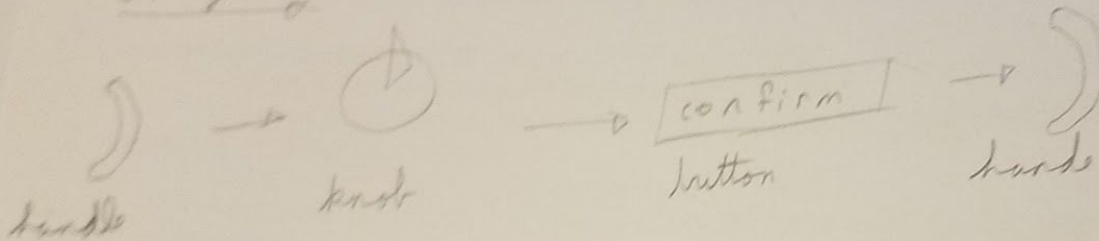
v2 control panel



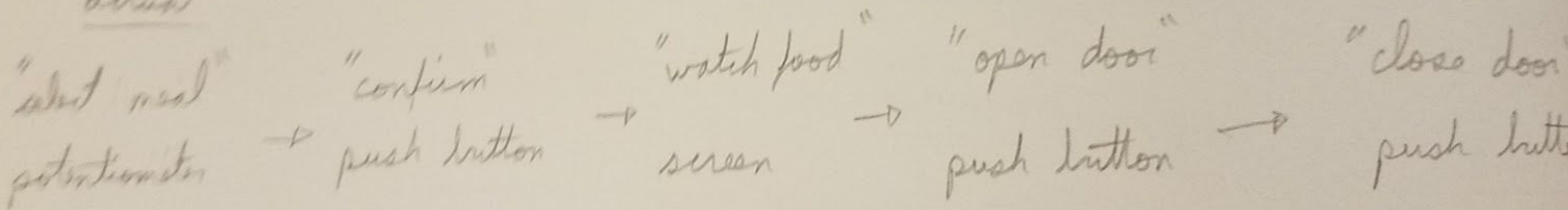
## Interaction Diagram

### Interaction Diagram

#### Imaginary



#### actual



### State Diagram

Chicken State

To interact with the food machine, there would be a handle to open the hinged door giving entry to the inside where the food transformation would occur. On the side there would be a turn knob to indicate what type of meat the user wants, and a start button to make and heat the food. The device would be placed inside the home, likely in the kitchen.

In reality, the push button would simulate the door opening and closing. Between button pushes, an LED will come on to indicate the door is open or not. The potentiometer would turn to simulate the knob to select the meat type while one of the RGB LEDs would turn on to also show that choice.