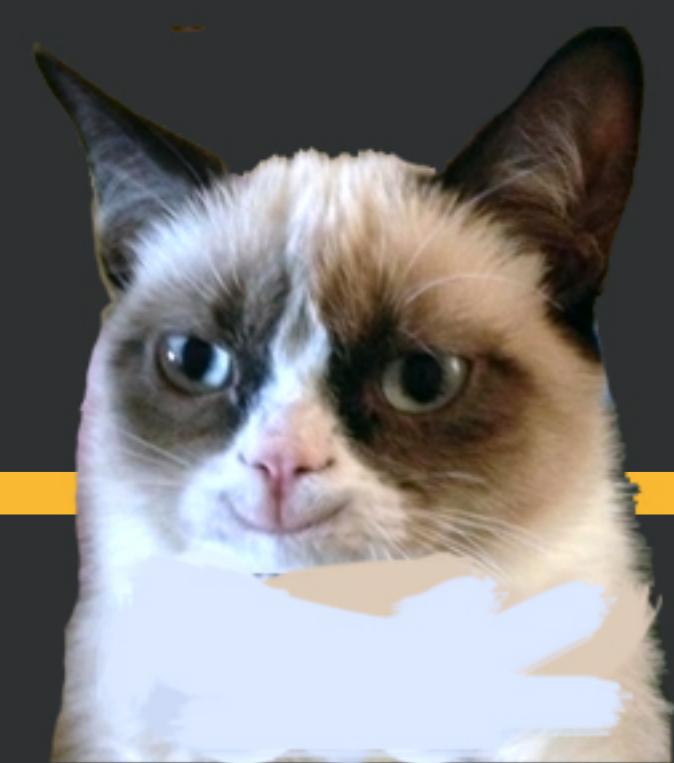




BACKGROUND/PROBLEM

Stray cats/animals often experience a lack of food and thus they tend to disturb people for food.
Kind Samaritans may provide them with food but it is not a long term solution.



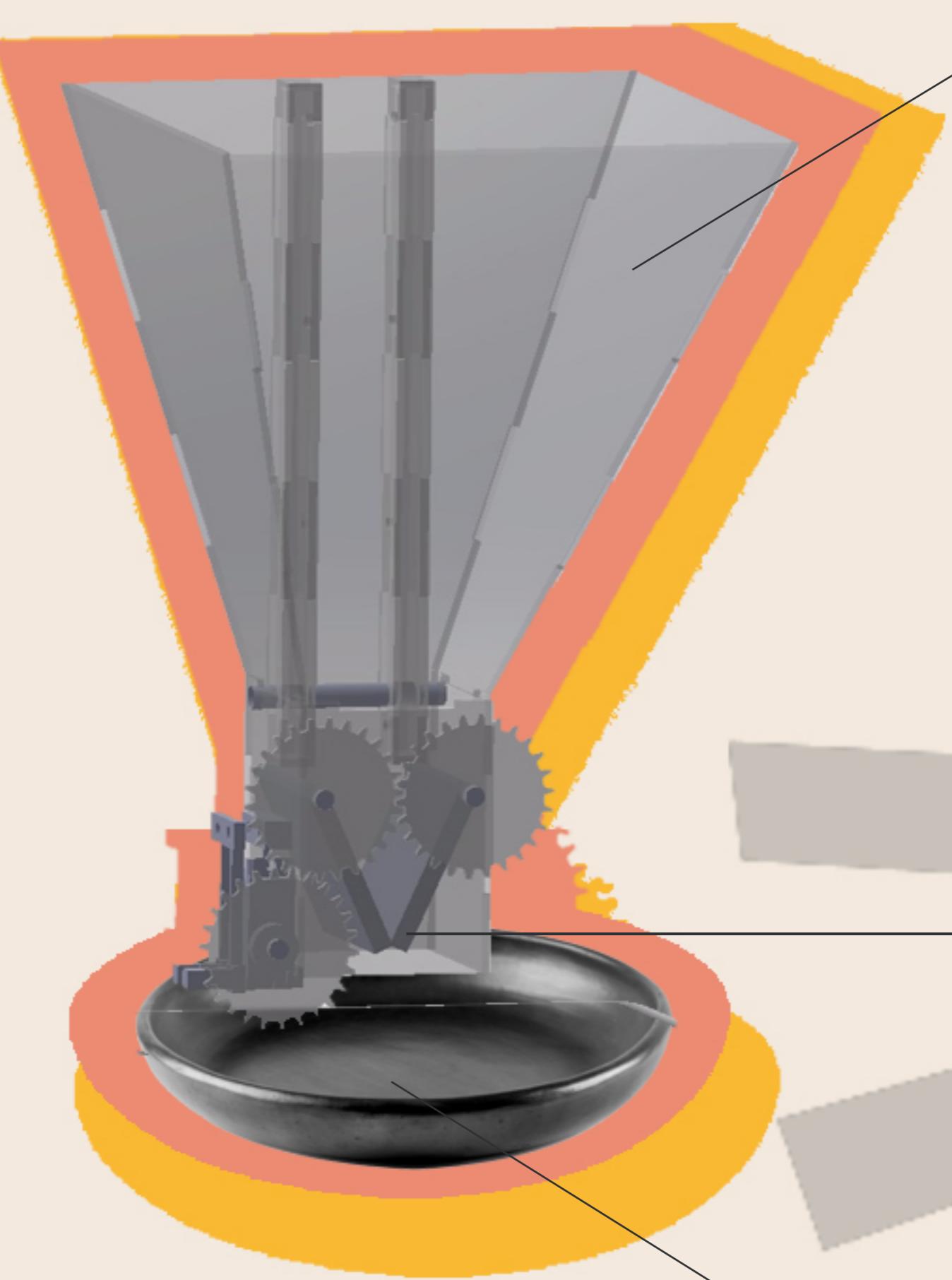
PROPOSED SOLUTION

A food dispenser for Grumpy that feeds her on time as there is no designated caretaker.
Kind people will top-up the dispenser.
How to condition the cat to know where the food is and what time the food is available
Dispenser automatically dispense food at a certain time

INTRODUCING GRUMPY NO MORE

Our Prototype

The Grumpy No More Feeder is designed with 3 main components:



Chute to store your pet food

Cuboid shape with slanted faces allows it to handle any shape and size of pet food.

Food that is stored in the chute is released at different meal times of the day,

The time when the food is released is programmed by an integrated mobile application.

Cuboid shape with slanted faces allows it to handle any shape and size of pet food.

Valve to release the food

Consisting of two flaps that control the dispensing of appropriate amounts of pet food.

The food slides onto the feeding dish during meal times, and keeps the remaining closed in the chute.

Dish for your pet to dine on.

The feeding dish is positioned below the valves and slightly ahead to receive the food dispensed, allowing the animals to feed in comfort.

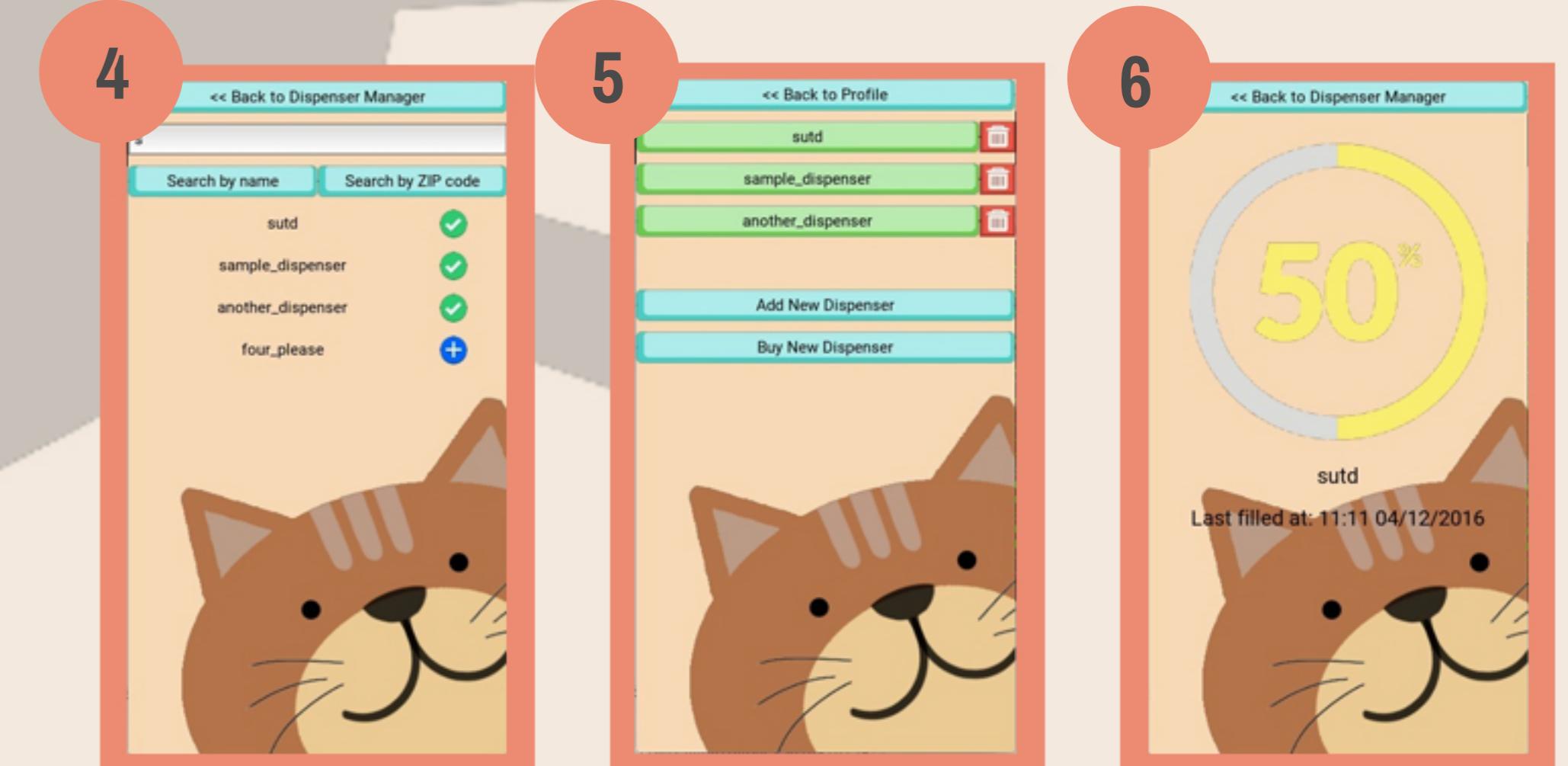
* In order to get pets accustomed to the newly introduced feeder, research and trials have proven that pets can be trained to timely return to the feeder for meals. By ringing bells at regular time intervals to attract the pet to the feeder, pets will eventually independently return for meal times daily. Getting pets into the habit and comfort of feeding from the dispenser is an important and essential procedure to the success of the food dispenser.



Mobile Application



1) Login/Sign up Page - Users without an account would first have to sign up
2) Profile Page - Displays name and profile picture as well as the menu
3) Page to purchase a new dispenser



4) This pages allows users to search for individual dispensers and lets user know which dispenser he has access to.
5) Gives user the option to add/remove dispensers or buy a new dispenser for personal use
6) Status Page - Shows the level of food left in the feeder

How to use?

1. Users will have to sign up for a Grumpy No More account in order to gain access to the dispensers. (There is also an added security feature where if the user does not have access to a specific dispenser, he cannot search for it)
2. Once the user has logged into his account, it would bring him to his profile page where he can choose to click on either of the four buttons: '**Dispenser Manager**', '**Your Badges**', '**Settings**', '**Have a burning question?**'
3. '**Dispenser Manager**' - brings the user to the pages as shown above, where he can choose to check the latest status of the feeder and update the changes he made.
4. '**Your Badges**' - Badges mark the various checkpoints achieved by the users. e.g. "Topped up dispenser for first time!", "Added a new dispenser!". This serves as a motivation for the users.
5. '**Settings**' - To edit personal info, password and profile picture
6. '**Have a burning question?**' - For users to post any queries regarding the dispenser to the creator.

BENEFITS

Automatic Dispensing

- Regular meal times keeps pets in good health
- Reduce inefficiency in feeding schedule

Concept of dispenser

- Fixed dispenser location makes it easy for feeder to track and feed cat and also for pet to locate food bowl when hungry
- Clean feeding area as compared to light paper plates typically used at void decks to feed stray cats (Those plates tend to flip when wind blows)

Smart dispenser

- Users will receive a notification when bowl is empty or when batteries need replacement
- This reduces delayed feeding or dispenser maintenance through the integrated app

Possible extensions

- Dispenser monitors appetite and diet of pet through tracking weight of food left after each meal