# Kibble

Ensure your pet has a healthy diet and never goes missing

Jeff Souza Andy Cho Chaofeng Zhou Xuanyang Luo

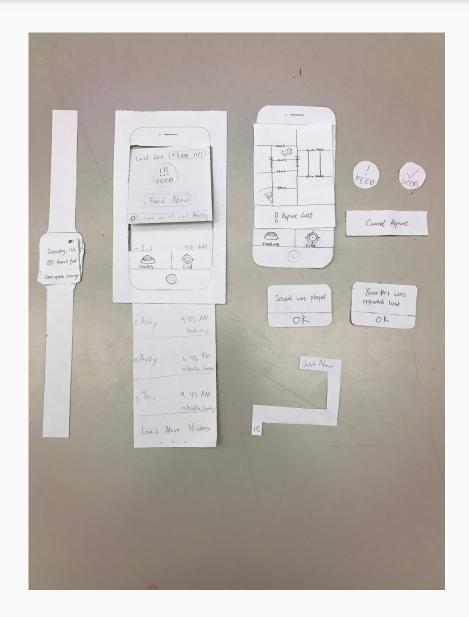




#### **Overfed**

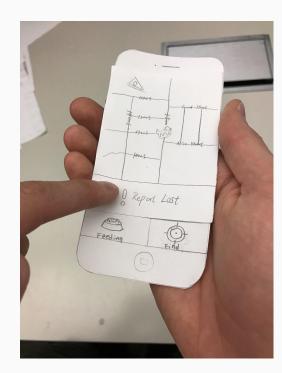


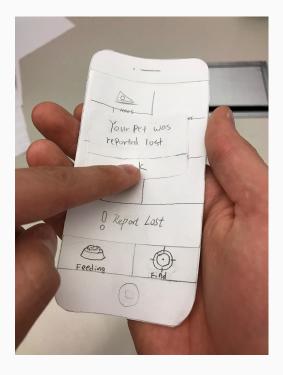
#### **Lost Pets**



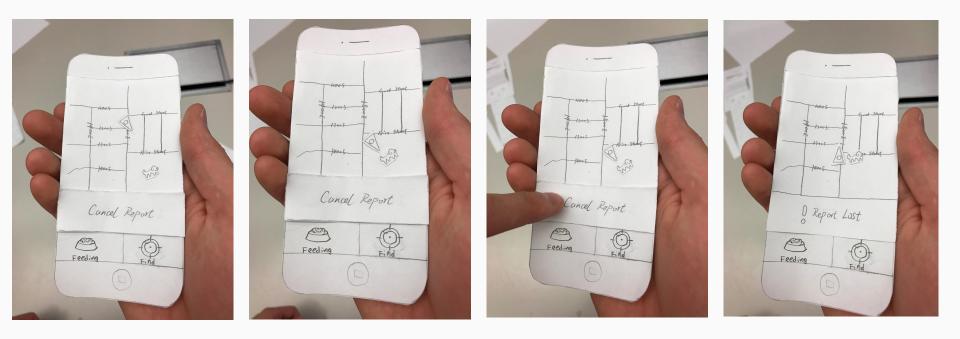
#### Task 1: Finding pets

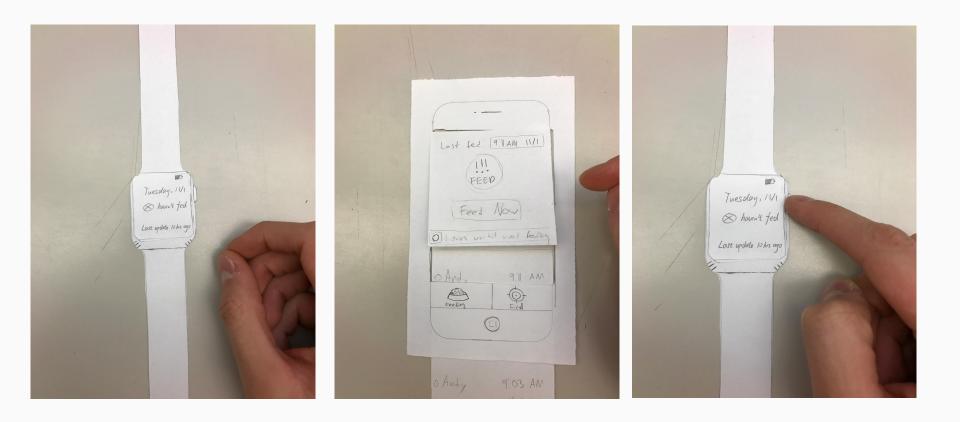


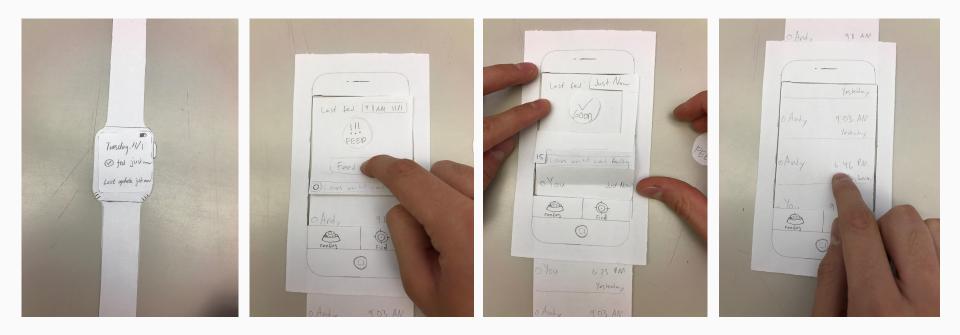




#### Task 1: Finding pets







#### **Testing Processes**

## Method

- Heuristic Evaluation
- Usability Testing

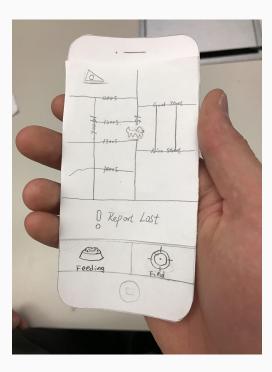
## **Heuristic Evaluation**

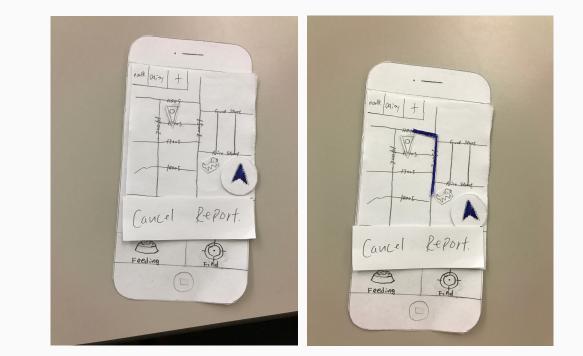
## Main violations

- 1. No navigation routes for pet owners to find pet
- 2. No pet profile entry interface
- 3. Cannot delete feeding history entered by mistake
- 4. Cannot select pet and show its location on the map

#### **Issues and Refinement**

#### No navigation routes for pet owners to find pet



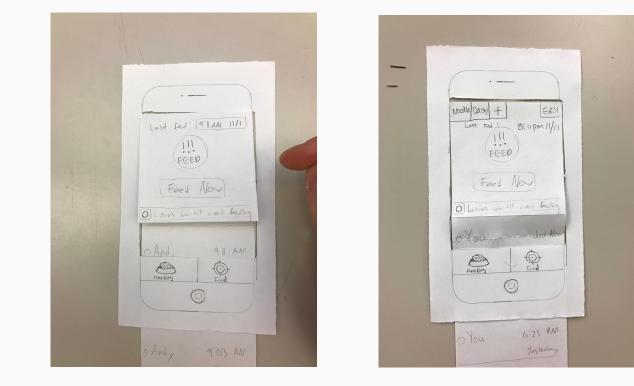


Before

After

## **Issues and Refinement**

#### No pet profile entry interface



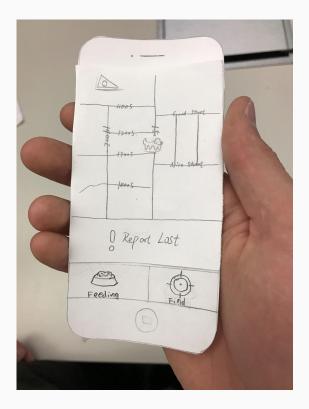
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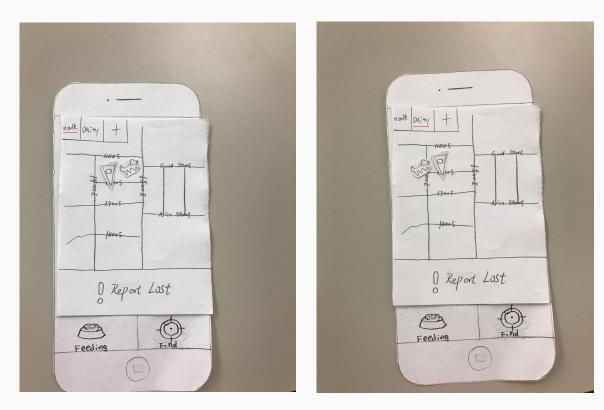
After

## **Issues and Refinement**

#### Cannot select pet and show its location on the map



Before



After

## **Usability Testing**

## Tasks

- Synchronizing feeding activities
- Finding a pet

## **Test Procedure**

- Facilitator
- Observer
- Communication

# **Participants**

- A Senior Computer Science student
- A retired mechanical engineer
- A graduate student from business school

## **Usability Testing**

## **Test Results**

- A better home screen
- Separate profile screen
- Enable edit/deleting feeding history

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## **Usability Testing**

## Test Results (cont'd)

- Accessible map screen
- Notifications
- Settings screen

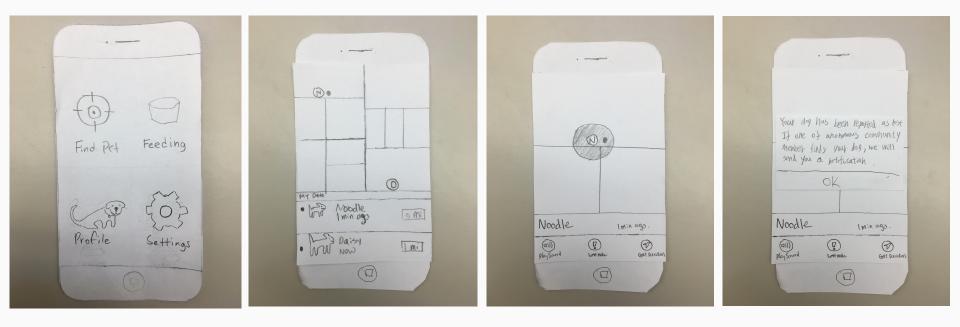
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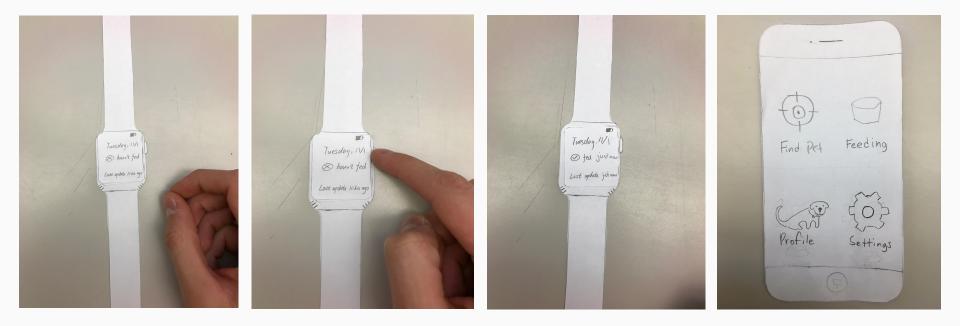
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#### **Final Paper Prototype**

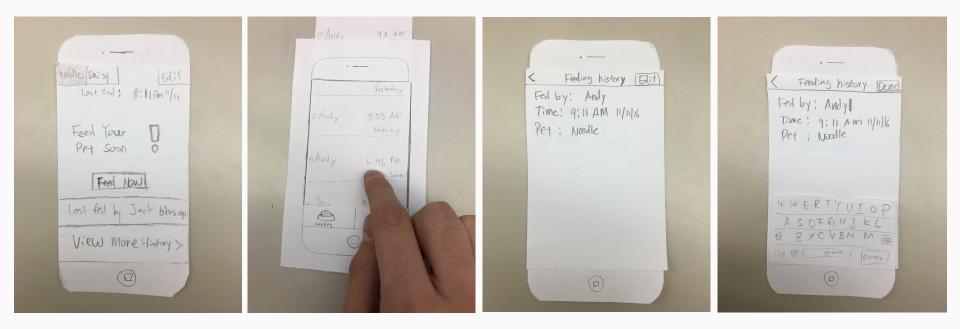
#### Task 1: Finding pets



### **Final Paper Prototype**

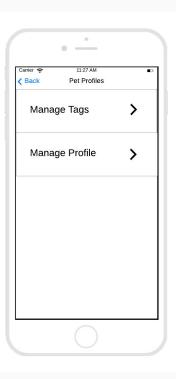


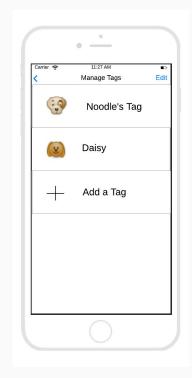
## **Final Paper Prototype**



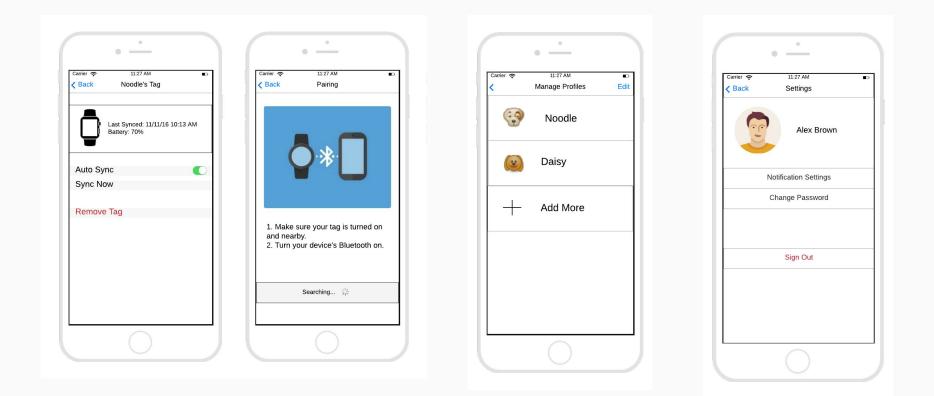
#### **Task 0: Application Introduction**



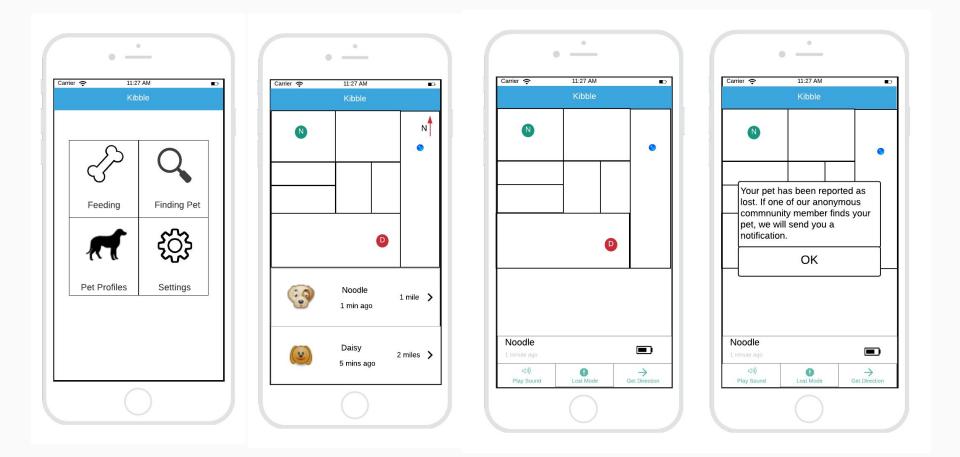


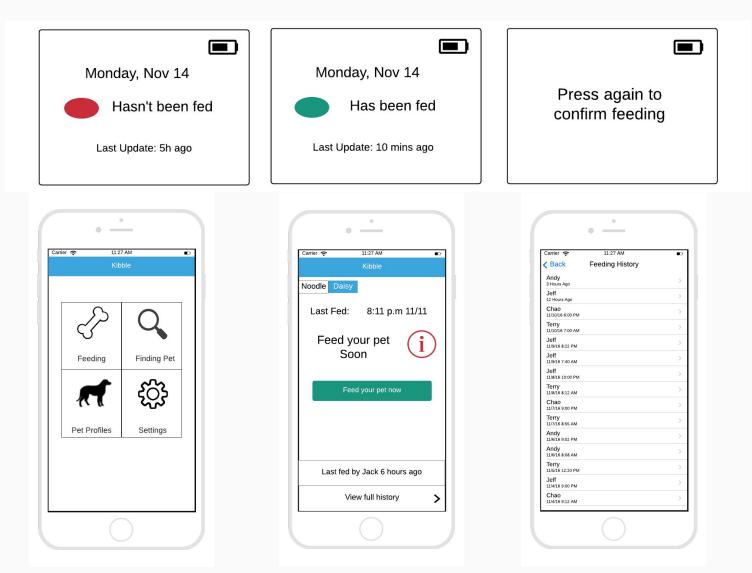


#### **Task 0: Application Introduction**



#### Task 1: Finding pets

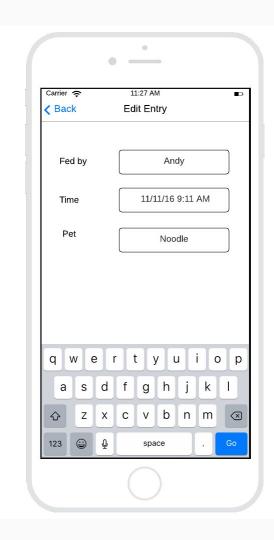




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Time	9:11 Am 11/11/16	
Pet	Noodle	



#### Summary

- 1. Do not assume testers have same knowledge base as us.
- 2. Detailed testing instructions should be written down before testing.
- 3. Paper prototyping accelerates making digital mockup.

Thank you!