Team Broccoli
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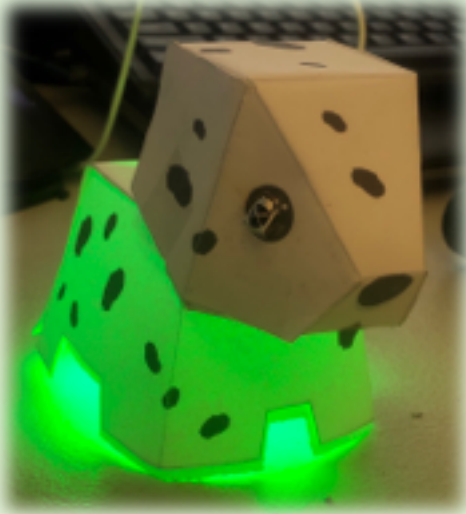Ziyi Xu — 45480171

Research

- Obesity has become a problem for many people

- Lack of motivation makes people don't know how to change

- Users are not able to stick with the food tracking applications

- The tangible device could help people perform the task better

Insights

- The interaction with a dog can make the process more playful and attract people

- A portable device can accompany users all the time

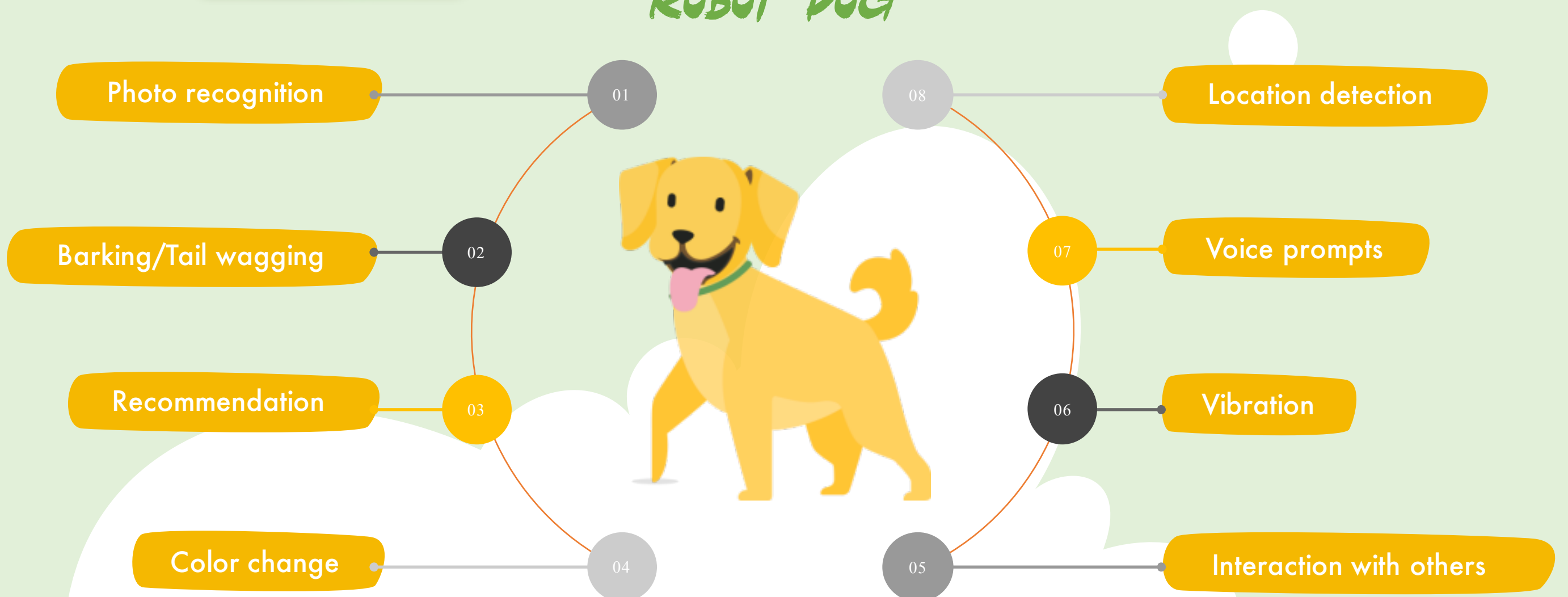## Modification based on evaluation

- Set modes for different situation (Vibration mode in outside)

- Let users set personal eating reminders

- Count times of eating unhealthy food to allow users eat it sometimes

ROBOT DOG

01 Photo recognition
02 Barking/Tail wagging
03 Recommendation
04 Color change
05 Interaction with others
06 Vibration
07 Voice prompts
08 Location detection

Robot dog

- used at home (stationary device)
  - photo recognition
    - healthy food
      - color change into green
      - encouraging voice prompts
      - wag tail
    - unhealthy food
      - color change into red
      - bark
      - cautionary voice prompts

- used outdoors (portable device)
  - location detection
    - junk food places
      - vibrate
      - voice prompts
  - photo recognition
    - recognize waiter — ask for healthy food recommendations
    - recognize the food from beside tables — give recommendations based on the recognition results