Cat Feeder

Team 2

- Chenghuab Vue
- Ruoyu Chen
- Jiaqi Li
- Shuran Zhao
- Shuaiyu Bu
- Tuan Duong

Description

- Weighs your cat
- Displays cat weight
- Adjustable food portions
- Adjustable timer
- Market: USA

Pet Bowl. Picture retrieved from: http://www.amazon.com/MidWest-Stainless-Steel-Snapy-Water/dp/B0012GS73S/ref=sr_1_2?ie=UTF8&qid=1458606860&sr=8-2&keywords=food+bowls

Key Requirements

✧ Cost
  * Sales Price: $300, Component Cost: $110

✧ Environment:
  * Indoor
  * Operating Temperature Range: 0~50°C
  * Operating Humidity Range: 0% to 75%

✧ Power Input:
  * Residential AC Power: 110~120VAC @ 15A

✧ Major Functions, Quantities Measured, Displayed
  * Functions: On, Off, pour food and weights pet
  * Pet Weight Range: 8lbs to at most 25lbs
  * Container size: 13 ounces of dry food
  * Display: 16 characters and 2 lines
  * Bowl: 4.7” x 4.7” x 1” & 12ounces
Block Diagram