

## Step 5: Debug and verify

### Test 1 – Normal Feeding

- **Input:** Time = 8:00 AM, Hopper = Full, Motor = OK
- **Output:** Food dispensed, message = “Feeding Successful”

### Test 2 – Hopper Empty

- **Input:** Time = 8:00 AM, Hopper = Empty
- **Output:** Alert = “Hopper Empty”

### Test 3 – Motor Jam

- **Input:** Time = 6:00 PM, Hopper = Full, Motor = Jammed
- **Output:** Alert = “Motor Jam”

### Test 4 – Pet Not Eating

- **Input:** Time = 8:00 AM, Hopper = Full, Motor = OK, Bowl unchanged after 10 min
- **Output:** Alert = “Pet not eating”

## Improvements

1. **Flexible Feeding Times** – Flexible Feeding Times -let the owner set the feeding time of his own choice rather than the 8AM/6PM.
2. **Adjustable Portion Sizes** – allow one to choose small, large or medium meals.
3. **Better Alerts** – notify the owner with better alerts on the phone rather than a buzzer/LED.

