**1. Pet eats as expected**

**Scenario:**

* Time matches feeding time.
* Food container has enough food.
* Bowl is empty.
* Pet eats the food.

**Logic:**

* + Time = feed time → yes
  + Food container % > threshold → yes
  + Bowl empty → yes
  + Dispense food → yes
  + Wait 10 min → check if pet ate → yes
  + No alerts sent.
* **Output:** Normal operation, no staff alert.

**2. Pet does not eat**

**Scenario:**

* Time matches feeding time.
* Food container has food.
* Bowl is empty.
* Pet does **not** eat.

**Logic:**

* + - 1. Time = feed time → yes
      2. Food container % > threshold → yes
      3. Bowl empty → yes
      4. Dispense food → yes
      5. Wait 10 min → check if pet ate → no
      6. Alert staff.
* **Output:** Staff receives an alert: “Pet did not eat.”

**3. Food container is empty**

**Scenario:**

* Time matches feeding time.
* Food container is **below threshold**.

**Logic:**

* + 1. Time = feed time → yes
    2. Food container % < threshold → yes
    3. Notify staff.
    4. No food is dispensed.
* **Output:** Staff receives an alert: “Food container empty / refill required.”

**4. Bowl already has food**

**Scenario:**

* Time matches feeding time.
* Food container has food.
* Bowl already has food (weight >= expected portion).

**Logic:**

* + 1. Time = feed time → yes
    2. Food container % > threshold → yes
    3. Bowl weight >= expected → yes
    4. Alert staff.
* **Output:** Staff receives an alert: “Bowl already has food.”