Implementation of the solution

1) **Begin the system.**

2)**Repeat all the time:**

* Read the current time.
* **If** it is a feeding time **then:**
  + Check whether the bowl is empty.
  + **If** the bowl is not empty **then:**
    - Skip dispensing and go back to checking the time.
  + **Else** (the bowl is empty):
    - Dispense food.
    - Wait 15 minutes.
    - Check if the food has been eaten.
    - **If** the food is eaten **then:**
      * Send message: “Food eaten.”
    - **Else:**
      * Alert staff: “Food not eaten.”
    - End this feeding cycle.