START

1. Initialize system.

2. Get the current time.

3. Check if current time matches feeding time (e.g., 08:00 or 18:00).

IF NOT feeding time:

- Wait 1 minute.

- Go back to step 2.

4. Check if there is enough food in the container.

IF food is NOT available:

- Send alert: "Food container is empty."

- Go back to step 2.

5. Rotate servo motor to dispense food into the bowl.

6. Start a 10-minute timer.

7. After 10 minutes, check the bowl's weight sensor.

IF weight has NOT changed:

- Send alert: "Pet did not eat the food."

ELSE:

- Log: "Pet successfully fed."

8. Go back to step 2 (system runs continuously).

END