### **Implement the Solution (Word Coding)**

START

Check the current time

IF current time matches feeding schedule time THEN

IF the food bin is not empty THEN

Dispense food

Record initial bowl weight

WAIT 10 minutes

Record final bowl weight

IF final bowl weight < initial weight THEN

Display the amount of food that has been consumed

ELSE

Send an alert to the staff."

ENDIF

ELSE

Send an alert to refill the bin

ENDIF

ELSE

Wait until the next scheduled feeding

ENDIF

END