**Word Code Implementation**

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BEGIN  
  
    //Inputs  
    Feeding time <- [07:00, 15:00] , //Feeding schedule (2–3 times a day)  
    FoodLevelMonitoring <- {Empty, HalfEmpty, Full}   // Enum input  
    BowlWeight <- Decimal (0 – 700 gm, accuracy ±6 gm)  
  
    // Outputs  
    ServoMotorDisplay <- Boolean      // ON/OFF for dispensing  
    Alarm <- Boolean                  // SMS / LED notification system  
  
  
    WHILE TRUE DO  
  
        CurrentTime<- GetCurrentTime()  
  
        // Step 1: In this step we will check feeding schedule  
        IF CurrentTime = FeedingTime THEN  
             
            // Step 2: In this step we will check bowl weight  
            Check BowlWeight  
  
            IF BowlWeight <= 0 THEN  
                // Step 3: Check bin food level  
                IF FoodLevelMonitoring = Empty THEN  
                    SendNotification("Bin Empty")  
                    STOP current feeding cycle  
                ELSE  
                    // Step 4: we will dispense food in this step  
                    ServoMotorDisplay <- ON  
                    WAIT 2 seconds   // Dispense 300 gm  
                    ServoMotorDisplay <-OFF  
  
                    // Step 5: Verify for dispensing sucess  
                    NewBowlWeight <- Check BowlWeight  
                    IF NewBowlWeight <= BowlWeight THEN  
                        SendNotification("Dispense Failure")  
                    ELSE  
                        // Step 6: let pet to eat first   
                        WAIT 30 minutes  
                        FinalBowlWeight <- Check BowlWeight  
  
                        IF FinalBowlWeight >= NewBowlWeight THEN  
                            SendNotification("Pet May Not Have Eaten")  
                        ENDIF  
                    ENDIF  
                ENDIF  
            ENDIF  
        ENDIF  
  
    ENDWHILE  
  
END