

Part 1 – Problem-Solving Process

Step 4 – Word Code Implementation

```
BEGIN AutomatedPetFeeder
  SET feedingTimes = [08:00, 18:00]
  LOOP forever
    currentTime = GET_CURRENT_TIME()
    IF currentTime IN feedingTimes THEN
      IF foodBinLevel == LOW THEN
        SEND_ALERT("Food bin empty. Please refill.")
      ELSE
        ROTATE_MOTOR(90) // Dispense 50g of food
        WAIT(10 minutes)
        IF bowlWeightChange >= 50 THEN
          LOG_EVENT("Feeding successful at " + currentTime)
        ELSE
          SEND_ALERT("Food not eaten at " + currentTime)
        ENDIF
      ENDIF
    ENDIF
  ENDLOOP
END
```