**Step 3: Plan the Solution**

Algorithm logic (Decision Steps)

1. Start system (system on)
2. Read current time from the real time clock
3. Is current time equal to any scheduled feeding time?

* No - Go back and check time again
* Yes- Continue

1. Is food bin level >= portion size?

* No - send alert "Food bin empty" and record event- return to time check
* Yes - Proceed to feed

1. Rotate motor to dispense portion size into the bowl
2. Wait 10 minutes
3. Read bowl weight again
4. Has bowl weight increased by >= 80% of portion size?

* Yes – log feeding time and return to time check
* No – send alert "Pet not eating" and return to time check