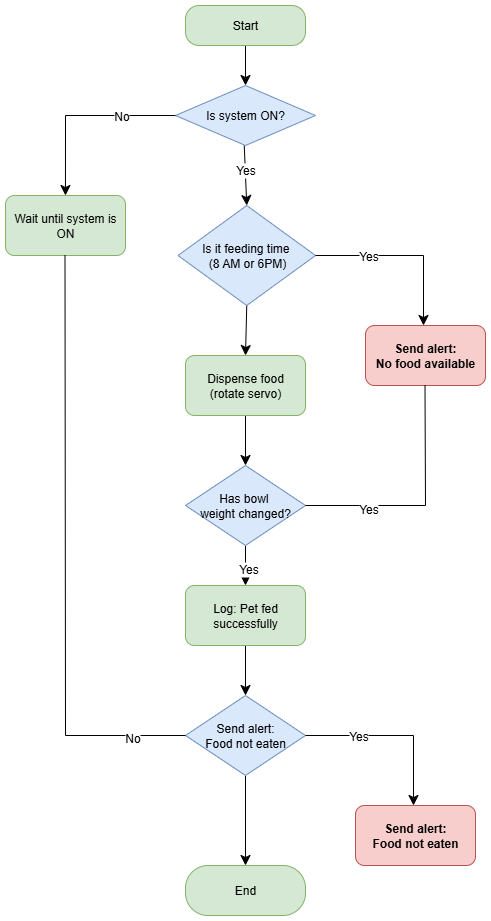
**Step 3: Plan the Solution (Algorithm Design)**

**Flowchart Logic:**

* Start → Check system ON
* Is it feeding time? → Yes → Is food available?
* If yes → Dispense food → Wait 10 mins
* Check bowl weight → If unchanged → Send alert
* Log status → End

**Flowchart Draw:**

****