# Step 2: Organize and describe the data

**Data Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Input** | **Type** | **Sample Value** | **Constraints** |
| Feeding time | Time | 8:00 AM & 6:00 PM | Max 2 scheduled times per days |
| Bin food level | % (percent) | 100% & 0% | Must be > 0 % for feeding |
| Bowl weight before | Gram | 0g, 20g | Sensor range 0-200g |
| Bowl weight after | Gram | 50g, 70g | Sensor range 0-200g |
| Check time | Minutes | 10 mins | Between 5-15mins |

|  |  |  |  |
| --- | --- | --- | --- |
| **Output** | **Type** | **Sample Value** | **Constraints** |
| Servo Motor | Motor Signal | Rotate 5 seconds | Max 10 sec operation per cycle |
| Status LED | Colors | Green, Yellow, Red | Normal, Warning, Error |
| Alert to staff | Text/Email | “Low Food”, “Not Eaten” | Only via registered contact methods |