**Step 2: Data Organization and Description**

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| **Type** | **Name** | **Example** | **Purpose** |
| Input | Feeding time (24-hour clock) | 8:00, 12:30,5:30 | Automatically decides when to serve |
| Input | Food level sensor | Low/Ok | Checks storage if enough food is available |
| Input | Bowl weight sensor | 50g, 180g | Measure food consumption level |
| Input | Motor movement sensor | OK/Not working | Confirmation of motor condition |
| Output | Motor control | On for 5 sec/Off | Serves food on the bowl |
| Output | Buzzer | On/Off | Warning for local staff |
| Output | Network alert | “Low storage”, “Food not eaten” | Warning for all the admin staffs |
| Output | Data log | Date, time, portion | Maintains feeding history |