**Step 2: Organise and Describe the Data**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variable** | **Type** | **Units** | **Notes** |
| Clock Time (Tc) | Input | Time | Time from Real-Time Clock |
| Feeding Time (Tf) | Input | Time | Predefined times (8 AM, 6 PM) |
| Food Level (Fl) | Input | Boolean | FULL/NOT FULL |
| Food Weight (Fw) | Input | Boolean | NOT EMPTY/EMPTY |
| Servo Motor (M) | Output | Boolean | ON/OFF |
| Buzzer (B) | Output | Boolean | ON/OFF |

* **Constants:**
  + Feeding Time: 8 AM and 6 PM
  + Wait time for checking food consumption: 10 mins
  + Servo rotation: 2 seconds