## Step 5 : Test and refine the solution

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| **Test cases** | **input** | **Expected outcome** | **Result** |
| Pets eats as expected | Time=06:20,food=70%,Bowlweight decreases | Alert” food consumed successfully” | Pass |
| Pet doesn’t eat | Time=19:20,food=90%, Bowl weight remains same | Alert “food not eaten” | Pass |
| Food bin empty | Time =19:00, food=0% | Alert “refill food” | Pass |
| Low food (just above 10%) | time=19:00,  food=12%,  Bowl weight decreases | Alert “success”,  but food nearly empty | Pass but improvement required |

**Discussion:**

* **The system works correctly for normal conditions.**
* **It only provides food at scheduled time.**
* **Alerts are given when filling is required, food not eaten, food consumed.**

**Some improvement required:**

1. Send an early warning alert when food is <20%.
2. Use mobile applications or cameras for extra monitoring**.**
3. Retry again if the motor fails.
4. Create a log to store data.