**Step 5: Test and Refine the Solution (Debug and Verify)**

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| Scenario | Input | Expected ouput | Actual output |
| Pet eats all food | Time: 8:00 AM or 6:00PM  Food supply: full/enough  Sucessful dispend  Read weight sensor in a bowl ( the consumption data = required amount of food) | Food dispended  Consumption data displayed | Dispense -> weight read -> collect data -> display |
| Pet does not eat | Time: 8:00 AM or 6:00PM  Food supply: full/enough  Sucessful dispend  Read weight sensor in a bowl ( data remain the same) | Food dispended  Trigger alert | Dispense -> weight read -> no change -> alert |
| Food container is empty | Time: 8:00 AM or 6:00PM  Food supply: not enough | Alert “Low food supply” | Food check -> alert “low food supply” |
| Off-schedule | Time: 7:00 AM | Display “Not feeding time” | Time check → display “not feeding time” and loop back |