**Step 5: Testing and Refining the Solution (Debug and Verify)**

* **Scenarios:**
* Pet eats as expected – No Alert
* Pet does not eat – Buzzer Triggered
* Food bowl is empty – Buzzer Triggered
* Food level does not reduce after wait time – Buzzer Triggered
* Food level reduces after wait time – No Alert
* **Suggested improvements:**
* Better weight sensor can be used to give idea of exactly how much food is being consumed
* System can be designed to include multiple types of pet food with different shapes and sizes
* Alerts can be provided via mobile application instead of Buzzer