

Automated Pet Feeder

Step 4: Implement the Solution (Word Coding)

- Set the time to feed the pet.
- Check the current time continuously.
- If the time is exactly the time set to feed the pet and there is food in the feeder, then dispense the food into the pet/food bowl.
- If the time is exactly the time set to feed the pet and there is no food in the feeder, then alert the staff.
- If there is food in the feeder and it is dispensed into the bowl and the weight of the bowl does not change for 10 minutes, then alert the staff, then log "feeding unsuccessful".
- If there is food in the feeder and it is dispensed into the bowl and the weight of the bowl has changed after 10 minutes, then log "feeding successful".
- After successfully feeding the dog as expected, the feeder will check the time and repeat/loop the process.
- Since the memory is limited, the old data can be deleted after some time.