**Implement the Solution:**

1. Check if the user already has values stored in variables feeding\_time, feeding\_amount, minimum\_consumption\_threshold, and maximum\_time\_threshold.
2. If users do not have values stored in the aforementioned variables, then ask the user to input values and store these input values in their respective variables.
3. Check if the current time is equal = feeding\_time? If it isn’t then continue to wait until it is feeding\_time.
4. At feeding\_time check if there if there enough food stock in the machine to meet the feeding\_amount requirement. If there isn’t enough food, then send an alert message to the staff asking for a refill.
5. Send instruction to the hardware to rotate the servo motor and dispense food.
6. If food cannot be dispensed due to hardware issue, then send staff the following alert message, “Alert: Hardware issues stopping the pet feeder from dispensing food”.
7. After the food has been dispended wait for the pet to consume at least the minimum\_consumption\_threshold. If the pet has not been able to satisfy the minimum consumption requirement and also current time is greater than the time stored in the maximum \_time threshold variable, then in this case then send the following alert message, "Alert: Pet has failed the minimum consumption threshold".
8. After the pet has crossed the minimum\_consumption\_threshold the system will have to send the following message to staff, “Pet has passed the minimum consumption threshold for the day".