System ON

**Repeat while the feeder is on:**

*Check the current time.*

**If the time matches a feeding time(current time=feed time):**

*Check if the food container has food.*

**If the container is empty(% of food in storage container < % threshold):**

*Notify staff.*

**Else:**

*Check if the bowl already has food.*

**If it does(bowl weight >= expected bowl weight with food):**

*Alert staff.*

**Else:**

*Activate servo motor to dispense the correct portion of food.*

*Wait 10 minutes.*

*Check if the pet has eaten.*

**If the pet did not eat(Bowl weight before=Bowl weight after):**

*Alert staff.*

End