

Project proposal: MyPet

Analysing our daily routine, we have found some lacks in the management of pets' needs.

First of all, there is the problem to find a pet if it runs away, because, for instance, the chip does not contain a GPS detector. It means that without a collar you are forced to wait for a call from a veterinarian or a dog catcher, the only people allowed to discover the pet's owner.

Another problem is the effort caused by the management of several pets, also belonging to different races or species, each of them with its own needs. For example, if you have a dog, you have to remember many things:

- What and how many times it has to eat
- Veterinarian's appointments
- Deadlines for vaccinations

Actually, a smart solution that can easily relieve people from all these problems does not exist. The only way to have all these things scheduled in one place is by writing down everything on paper or on personal calendar.

Furthermore, another problem linked to the previous ones is the management of all the documents related to a single pet, including both medical and registry certificates. In particular, people usually notice these issues when an accident occurs, and so they are forced to find them manually; so, an eventual mismanagement can lead to copious losses of time and, in the worst case, to the loss of some certificates.

Looking at all these problems, an automatic system may be a smart enhancement able to support people with several aspects of pets' management.

In particular, the system may be able to handle the communication between people and veterinarians, allowing people to easily require appointments for periodical doctor visits or vaccinations. Furthermore, the system may allow people to retrieve, in case of emergency, the closest available veterinarian center (and its information) and ask them for an urgent appointment.

Another aspect that can be automated is the monitoring of pets' diet, concerning its prescription and the control of daily updates.

All these issues are associated by the presence of several tasks in the daily routine, and so, many times, people use to forget some appointments.

So, we expect to design an automated system able to simplify and reduce people effort to plan their pets' daily routine.