PRODUCT DESCRIPTION

# Pet Care

# Product Scope

An app that enables pet owners to manage their pet’s grooming and health, by providing them with all the required information in one place, such as symptoms of common ailments, possible ailments their pet might be suffering from, prevention of common ailments, as well as treatments available (based on the symptoms input by the user), along with the recommendations to visit the nearby vet in an emergency and store all medical records that can be instantly accessed.

The app also come with a wearable IoT device that is attached to a pet’s collar. Beside collecting location data, the device also have motion, heart rate, and breathing sensors, as well as microphones and camera. These functions help owners keep track on their pets’ physical activity, or understanding the pets’ emotion and it also send the information about the pet to store owner automatically when the service is registered by a pet’s owner.

More, the app included a Pet Social Network developed to allow pet owners to interact with, share details and updates related to their pets with pet care providers and other pet owners. Pet owners can also find the best pet store which is selling a variety of items such as pet food, grooming products like shampoos and brushes, litter boxes, bedding, and toys.

# Stakeholders

|  |  |  |
| --- | --- | --- |
| Customer Class | Expectation | Represented By |
| Pet owner | This includes whoever will take a product and use them operationally | User who has use the app and has pet |
| Admin | This includes whoever actually makes a product (software, document, etc) for delivery to the customer. | The team 7 |
| ****Store owner**** | This is a catch-all and includes those that provide the pet’s services and product | Any pet store, vet. |
|  |  |  |

# Functional Requirements

|  |  |  |
| --- | --- | --- |
| Requirement # | Description | Related Requirements |
| UR1 | Users can create information about their pet profiles (weight/ kind of pet/…). |  |
| UR2 | Users can book an appointment for their pet base on the service. |  |
| UR3 | Users can pay the services online |  |
| UR4 | Users can check the store owner’s products |  |
| UR5 | Users can rate and comments about the store’s service and products |  |
| UR6 | Users can find the nearest store on the map |  |
| UR7 | Users can track their pet location through the collar | UR1 |
| UR8 | Users can keep track on their pets’ status(weight, hunger, health condition,…) through the collar. | UR1 |
| UR9 | Users can make friend and chat with other users |  |
| UR10 | Users can chat with store owner | StOR5 |
| AR1 | Manage store owner’s list |  |
| AR2 | Manage the ratings and comments of the service of the store owner | UR5 |
| AR3 | Chat with Users and Store owner when there is a problem | UR10, StOR5 |
| StOR1 | Store owners can create the services (Check pet’s health, Pet spa and a lot more ) their store offers. |  |
| StOR2 | Store owners can edit or delete the services (Check pet’s health, Pet spa and a lot more )that their store already has on the system. |  |
| StOR3 | Store owners can create a new product to showcase |  |
| StOR4 | Store owners can edit or delete the products that their store already has on the system. |  |
| StOR5 | Store owners can chat with user | UR10 |
| StOR6 | Store owners can receive the status and information about the pet that the pet owner register with | UR1 |

# Non-functional Requirements

## Targeted Platforms

- Mobile platform: Android and iOS.

- PC platform.

## Performance

* The system must process and respond to the data flows quickly and accurately and shall take no longer than a few seconds to appear on the screen.
* The system must process and respond to errors, including expected errors and unexpected errors.
* The system must be able to handle and accommodate a high number of books and users.

## Availability

-The server shall be working 24 hours per day and 7 days per week if there is no unexpected critical bugs.

- If there is a crash, some function will be disable for a specific of time until the problem is fixed

## Reliability

- There is no requirement for system maintenance task from the user.

- Mean Time Between Failures (MTBF): more than 6 months.

- Maximum Bugs and Defect Rate: 0.5 bugs per thousand lines of code (0.5bugs/KLOC).

- Critical bugs:

- Loss of data: not any.

- Server crash: probably

# Release Method

- The product will be delivered by Scrum.

# Use Case Diagram

