Pet Hub: Requirement Specification Document

The Pet Hub Application seeks to serve pet owners, and pet-care providers' needs through an application that caters to various needs. Each application functionality is detailed below, with all the requirements it should provide.

This document serves as the reference for developing the Pet Hub application. This document has been created and altered throughout the development process in an agile method.

Registration and Setup:

1. The system shall allow new users to create an account with their email or social media.
2. The system shall ensure that user accounts can only be accessed by their respective owners
3. Request a strong password (include a number, including a special character, and must be 8 characters or more)
4. Users must choose a unique email that hasn't been used by another user.
5. Users must enter their chosen password twice to ensure they haven't made any typing mistakes.
6. Users may need to agree to the terms and conditions or user agreement of the application.
7. When entering wrong login information the user should receive an error message "incorrect login or password"

Feed:

1. The system should allow users to view posts on a feed
2. Users should be allowed to create a post on the feed
3. Have a tag for each type of post
4. Tags such as lost and found feature for missing pets
5. Tags such as breed information and care needs based on certain breeds (animal Tinder)
6. Ability to write comments on posts
7. Ability to view comments on posts

8. Users have the ability to like posts and comments

9. Posts and comments keep track of the number of likes and display it

10. posts can include only text and image

11. Comments can include text only

12. Post will display username, date of post, number of post likes

13. the username on the posts redirects the user to this users profile when clicked

14. users should be allowed to edit their posts on the feed

15. users should be able to search using a search engine

16. users should be able to filter their search results

17. users should be able to delete their comments

Pet Profile:

1. The system shall allow new users to add and manage pet profiles

2. The system shall allow pet owners to provide basic pet information (name, breed, age)

3. The system shall allow pet owners to upload pet photos

4. Ability to create, edit, and view pet profiles

Pet Health Tracking:

1. The system shall enable pet owners to record and track vaccinations.

2. The system shall allow pet owners to set reminders for medication and appointments.

3. The system shall enable pet owners to log and monitor their pet's weight, diet and exercise.

4. The application should provide access to resources and information about common pet health issues and how to prevent them.

5. Alerts the user to vaccination requirments

6. Informs you if youre pet is over/under weight by comparing it to the medically recomended figures for that breed, at a specific age

7. Sends User reminders to walk their pet

8. Gives user useful tips and tricks on how to keep their pet healthy

<u>Meet Owners:</u>

1. The system should allow users to search for pet owners in their area and join or create groups based on pet interests or locations.

2. The system should enable users to communicate with other pet owners through messages and forums.