Product Requirements

PetFinder

Team   Sunrise Inc

Brief problem statement

This should be 1-2 paragraphs describing what the motivation is for the project. What is the problem to be solved?

Pet owners need an app to help locate their missing pet(s) and send out an alert to watch out for the missing pet(s). A pet owner is anyone who owns a non-exotic animal (cat, dog, hamster, bird, lizard, etc.). In the event of a missing pet, whether from accidental escape or purposeful kidnapping, PetFinder should be available to send out an alert at any time on any day as long as the user has a stable internet connection, except during necessary downtime for maintenance.

System requirements

What system configuration is needed to run your proposed system (including anything third party that is needed to run your system).

Operating System: iOS 14+ and Android 10+

Hardware: Smartphone with minimum 2GB RAM and 100MB free storage

Internet: Required for sending alerts, emails, and social media sharing

Users profile

Who is the system intended for? What characteristics should the users have (this can also be a range of things such as reading level, etc.)?

- This project is mainly for people who have pets
- Users must be able to read and understand English to know how to use the app
- Users must be familiar with navigating through app menus and inputting information into designated areas

List of Features

Provide a numbered list of features (F1, F2, etc.) that concisely, clearly, and accurately describe that which constitutes your project.

F1- Pet profiles that list one pet's information (name, age, breed, a recent picture of the pet, owner's name, owner's contact information, and emergency contact's information). A different profile must be made for each pet.

F2- Alert system that automatically drafts and delivers an email to the local police station with the missing pet(s) information and sends a notification with the same information the police received to other Pet Finder users in the area.

F3- Notification system that regularly prompts the user to update or check that his or her pet's information is up-to-date.

F4- Photo gallery that allows users to upload more than one picture of his or her pet onto the app.

F5- Recommendations section that displays treats or toys a listed pet in the user's pet profiles might enjoy.

F6- Toxic food infographic that displays and informs users of possible dangerous or poisonous foods for a listed pet in the user's pet profiles.

Functional requirements (user stories)

List the Priority as 1 (High Priority - Critical) to 3 (Low Priority – Would be nice if we have time)

No.	User Story Name	Description	Priority
R1	Pet Profile	As a user, I want to be able to make my own profile for my pet.	1
R2	Owner & Emergency Contact Info	As a user, I want to be able to include my contact information in case of emergency.	1
R3	Missing Pet Alert System	As a user, I want to be able to have an alert system/notification for a missing pet.	1
R4	Regular Update Prompts	As a user, I want to be able to post regular updates	2
R5	Photo Gallery	As a user, I want to upload multiple photos of my pet and store those photos in a gallery	2
R6	Section for Recommendations	As a user, I want the app to suggest treats and toys based on pet's species, breed, and age	3
R7	Info Graphics for Possible Toxic Foods	As a user, I want to view a simple infographic of toxic foods, so that I can quickly learn what to avoid.	2

Non-Functional Requirements

Describe any constraints or cross-cutting characteristics of the system in a manner that is clear, specific, and testable. Each requirement should have a unique identifier (e.g. NF1, NF2,..). Only present those which are applicable to your system. Categories include but are not limited to:

Security

- Have the user login into the App
- Give the user a choice to stay logged in during/after logging in

Reliability

- Maintenance checks to make sure the app runs smoothly
- If maintenance is needed, send an announcement to the users

Usability

- UF1. Simple navigation: Users must reach any main function (pet profile, alert, contacts) in less than or 3 taps.
- UF2. Emergency-first design: The "Missing Pet Alert" button must be clearly visible on the home screen.
- UF3. Consistency: Features and layouts must behave the same on iOS and Android.
- UF4. Accessibility: Support large text, high contrast, and screen readers.
- UF5. Clear feedback: All actions (save, send alert, upload photo) must give success or error messages.

Cross-Platform Compatibility

- iOS 14+ and Android 10+

Accuracy

- Ensure the information in emails and alerts precisely matches the owner's provided information

Sponsor Requirements

I have read and approved the material in this document. If there is no external sponsor, the TA or instructor will sign it for accuracy/scope.

_____   _____ _____

Print Name   Signature   Date