1. Use Cases(Provider/Community Member)

Profile Management: When you log in to the app, you will be able to pick the option to have the profile set to be a community member to report found pets and search for lost pets as well. There will also be a setting to where you change it to where you can report your pets missing as well. There will also be a way to delete your entire profile if you don't feel a need anymore to have the account.

Interactive Content: The community member profile will be able to upload photos, descriptions, and the location of the found pet to the specific lost pet and will be able to deem it found. They will also be able to interact with pet owners through messaging boards to be able to confirm the pet is theirs and return them as well. All of this will be done within the log of lost pet reports.

Statistics Content: The statistics page will show how many pets this community member has found/returned and a rating of satisfactory that is based on the interactions between the community member and the pet owner.

Review Content: With the statistics page, there will also be reviews where the pet owner can detail their experience dealing with the community member. As well, the community member will be able to reply to reviews.

2. Functional requirements

FR0: The app will allow all users to create a community member profile.

FR1: The app will allow all users to modify their profiles.

FR2: The app will allow community members to view lost pet reports and to be able to click on a specific report to get more information.

FR3: The community member will be able to also upload their own photos and information when they find the pet to the specific pet report and undo it as well if it was the incorrect pet.

FR4: The app will allow the community member to view their statistics page, detailing how many pets they have found and their satisfactory rating.

 FR5: The app will allow the community member to view their reviews and reply to them as well.

3. Non-Functional Requirements

- NFR0: The time it takes to transition between the different services/refresh should be no longer than 3 seconds.

- NFR1: The app/ any service should not be down for more than 10 seconds.

- NFR2: There also should be clear labeling for each service displayed for ease of use.

4. Scenarios

a. Users – Bob Strout

i. Click/Lost Pet Finder(View/access to available services)

· Initial Assumption: The community member has access to the web app, is logged in, and is on the main page of the Lost Pet Finder app.

· Normal: The community member will be presented with the main page which will show logs of the lost pets that will show a photo of the pet.
o If the user clicks on the photo, it will show the description of the pet with the image as well.
o The community member can also upload a photo, description, and location of the pet when they find it and report it found under the same pet report by clicking on a button indicating it has been found. (The fields listed above are required to limit any false findings).
· What Can Go Wrong: The community member can mistake the lost pet for another pet. The owner will be able to message the member and correct it by clicking an undo button to reverse it back to it being still not found.
· Other Activities: The community member can also access a panel of options that will list out the options they can do such as view their statistics/reviews page.

· System State on Completion: If the upload of the found pet is correct then the pet will be taken off the log of the lost pet reports and will be deemed found. This will be added to the community member's statistics page.