**Furry Finder – Command Line CRUD App**

**Synopsis:**

The purpose of this app is to allow adopters to find and adopt dogs through dog shelters. Shelters will create new instances of dogs that contain name, age, breed, and traits. Foster parents will be able to take ownership of the dogs and get them “adoption ready.” In this application, dogs are not allowed to be adopted until approved by a foster parent as “adoption ready.” When adopters log into the application, they will be able to search “adoption ready” dogs by entering search criteria for which a list of compatible dogs will be returned. Searching will produce a list of best matched dogs depending on the users desired traits, breed, and age. Adopters will also be able to enter “I don’t care” for criteria. For instance, if they only care about traits, they can say they don’t care about age or breed. From this list of dogs, the adopter can choose a dog he/she would like to adopt.

Stretch goal: Adopters and Foster parents will be able to communicate and schedule a meeting time to see dogs.

Stretch goal 2: Adopters and foster parents will be able to choose a shelter based on location. The goal is to use the google maps API to map how close the shelter and use are. This location would then be entered into the search criteria.

**Tables:**

Shelters (id, name, address)

Has many dogs

Has many foster parents

Dogs (id, name, age, breed, adoption\_ready, shelter\_id, owner\_id)

Belongs to shelter

Belongs to user (either foster parent or adopter) – assigned after created by shelter

Has many traits through traits\_dogs table

User table (id, username, address, shelter\_id)

Foster Parents (foreign\_key => foster\_id)

Has many traits through traits\_users table

Has many dogs

Belongs to Shelter

Adopters (foreign\_key => adopter\_id)

Has many traits through traits\_users table

Has many dogs

Traits (id, trait name)

Has many users through traits\_users table

Has many dogs through traits\_dogs table

Traits\_Users (trait\_id, user\_id)

Traits\_Dogs (trait\_id, dog\_id)

**User Stories**

1. As a user, I want to be able to specify myself as an adopter or foster parent
2. As a foster parent, I want to be able to take home dogs from the shelter
3. As a foster parent, I want to be able to add or remove traits from my dogs but not change age or breed
4. As an adopter, I want to be able to specify my traits, desired breed, and desired age
5. As an adopter, I want to be able to search for dogs based on my search criteria
6. As an adopter, I want to be able to adopt dogs

**Stretch User Stories**

1. As a foster parent, I want to be able to message the adopter of a dog
2. As an adopter, I want to be able to message the foster parent of a dog
3. As a user, I want to specify my location
4. As a user, I want my search criteria to take into account my location
5. As a foster, I want to be part of a shelter that is near me

**Menus**

Adopter Menu: (no shelters)

* Update Profile
* Adopt a Dog
  + Search dogs via criteria
* Become a Foster Parent
  + Select a shelter (confirm) -> make record

Established User: (one or more shelters)

* Update Profile -> Display update profile menu
* Adopt a dog
* If a foster, display Foster actions menu:
  + Manage Fostered Dogs

foster\_menu

search\_dogs\_menu

select\_shelter\_menu

trait\_menu

desire\_dog\_breed\_menu