iFoster

Sarah Hanley
@Numbat77

Description

iFoster is a program designed to assist in the matchmaking and data management process of a foster-based animal rescue organization.

Matching suitable fosters with animals can be a complicated process with each foster home needing specific criteria(eg. They have small children or other pets.) and each foster animal having their own needs as well (eg. can't be around cats, but likes other dogs.)

This program will automate the matching process.

Features

- Database that stores all human and animal data.
- Login so that information secure.
- Matchmaking algorithm

Planning - User Stories

-User can create a new foster profile

-User can create new animal profile

-User can view individual or all profiles

Planning - Database

My database had to be setup in such a way that it was easy to move animals from place to place.

There are many different relationships, one animal can one foster, but one foster can have many animals.

Managing the preferences was the most challenging, many animals and humans can have many preferences.

Technology Stack

- Java
- spring
- thymeleaf
- MySQL
- Bootstrap

iFoster Demo

What I Learned

- Bootstrap
- Algorithms
- Login using java and spring

What's Next

- Adding admin dashboard to manage users
- Cleaning up the UI
- Maybe add an adoption application and the ability to match animals with potential adopters.