Rescue Cat Matcher App!

Outline

1. Problem
2. User Stories
3. Design Considerations & Mechanics
4. Demonstration
5. Favourite parts & lessons learned
6. Question time

The problem we solved…

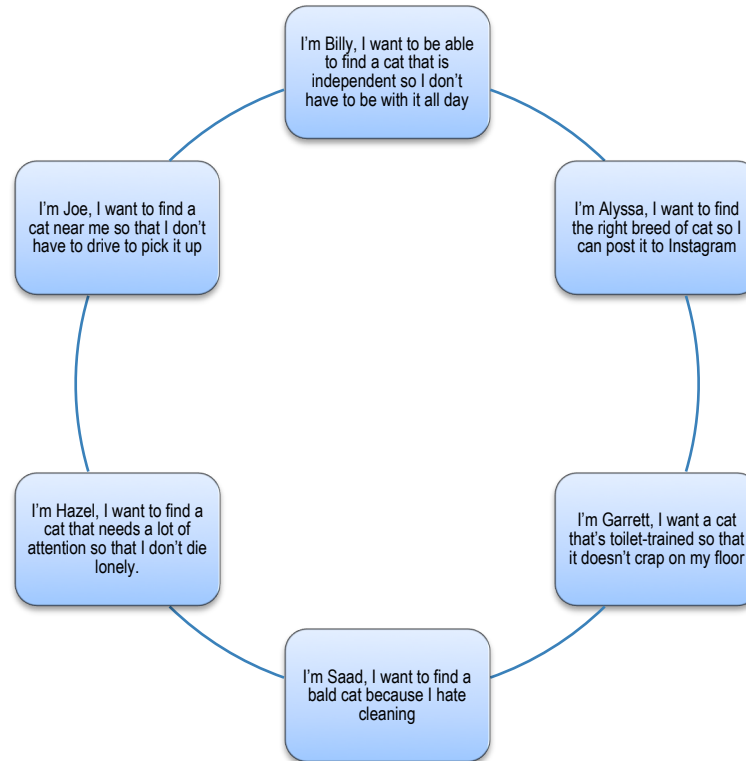**Matching cats in different shelters to……..**

- There are a number of rescue cats across different shelters in NSW
- Each cat has a set of characteristics and different needs that its potential owner would need to match

The user

- Members of the public in NSW who want to adopt a cat
- Users have different lifestyle and other preferences which will affect the type of cat they can adopt

User Stories

I'm Billy, I want to be able to find a cat that is independent so I don't have to be with it all day

I'm Alyssa, I want to find the right breed of cat so I can post it to Instagram

I'm Garrett, I want a cat that's toilet-trained so that it doesn't crap on my floor

I'm Saad, I want to find a bald cat because I hate cleaning

I'm Hazel, I want to find a cat that needs a lot of attention so that I don't die lonely.

I'm Joe, I want to find a cat near me so that I don't have to drive to pick it up

Design Considerations
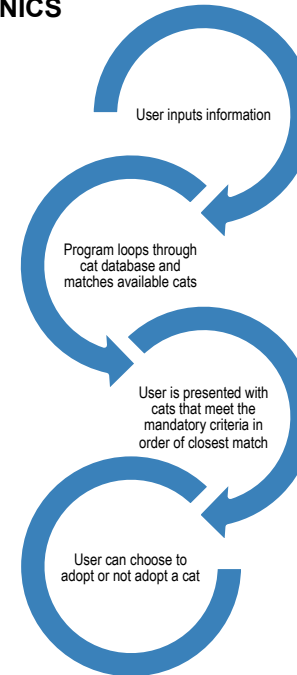
OBJECTIVES

➤ Wanted to find the cat or cats that best match the user's criteria

➤ We want to give the users a range of options from which to select and then match them present them with a range of eligible cats

➤ The cat shelter does not want to give users the options to adopt cats if they don't match certain mandatory criteria e.g.

- they don't want to give a cat that isn't toilet-trained to someone who needs a cat this is

- they don't want to give a cat that will need a lot of attention to someone who will leave the cat alone at home for long periods of time.

- They want save the toilet-trained and independent cats for people with less flexible lifestyles.

➤ From the cats that meet the mandatory requirements, the user will be presented with their best matched cat. The user can choose to adopt this cat or continue to look through any other eligible cats that met their criteria.

MECHANICS

User inputs information

Program loops through cat database and matches available cats

User is presented with cats that meet the mandatory criteria in order of closest match

User can choose to adopt or not adopt a cat

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Demonstration

Lessons Learned

FUN BITS

➢ Creating the cat database

➢ Learning about Object Orientated Programming/ OOP in practice

➢ Brainstorming how users will interact with the app

LESSONS LEARNED

➢ Be really clear on the features we want to make (specification)

➢ Code can be made more DRY by using classes (e.g. program questions and cats)

➢ Don't be too prescriptive in the design phase about the specific way that we will code the program.

Future Possibilities for our App

➢ On the customer side:

- Show pictures of the cats

- Allow the user to save a profile in the database and feature to automatically email them if a new cat match is entered into the system

➢ Create the organisation (i.e. cat shelter) side of the app. Features could include:

- Ability to add new cats when they are rescued

- Ability to view all cats in the database

- Ability to delete cats from the database

Questions?