

Group 3

Zainab Ansari

Yuqian Liu

Ekaterina Kozlovsky

Isaiah Ashton-Kenny

Connor Mark

Edson Takei

Pawfect Pairs Vision Statement

Our platform Pawfect Pairs's mission is to revolutionise the dog adoption experience, forging meaningful connections between prospective dog owners and their future pets.

Pawfect Pairs is designed for prospective dog owners actively seeking their perfect companions. The target users are individuals who want a seamless and enjoyable adoption process, connecting them with a diverse range of dogs from local/nearby shelters and responsible breeders. They will be able to see a catalogue of dogs from nearby shelters and breeders along with a biography and relevant tags. Tags will be used to encapsulate and display certain characteristics of the dogs. The user will be able to filter what dogs they will be shown, with filters including attributes like the energy level of the dog, its breed and age.

The critical product attributes are allowing the user to view adoptable dogs, to match with them, and set preferences for the types of dogs you want to see. The customer needs to be satisfied is the need to be able to see at a glance the dog and its important attributes. Through the interface Pawfect Pairs has, users can easily browse through a curated catalogue, accessing biographies and relevant tags that encapsulate each dog's unique characteristics.

tw

The unique selling point, compared to other platforms that are for dog adoption is its ease of use and format innovation. Pawfect Pairs will provide an user-friendly interface, simplifying the adoption process and making it more accessible to users of all experience levels compared to other apps in the market. Furthermore, Pawfect Pairs will bring an engaging format to the adoption process by allowing users to book appointments with the dogs they are interested in through our schedule booking system, ensuring a delightful and smooth experience for users during and after the adoption process. Our platform will also provide user the opportunity to add filters (ex, dog size, energy level, etc.) while they are looking for their perfect matches.

While initially a desktop application, Pawfect Pairs envisions growth with plans to expand into a mobile app. This foresight proves that our platform will remain adaptable to the evolving needs of our users, continuing providing convenience and accessibility. In summary, Pawfect Pairs is not just a dog adoption platform; it is a bridge between the hearts of prospective owners and dogs in need, anticipating a future where the adoption process is joyful as the companionship that follows.

User Story Map

**MEET A
DOG**
Calendar

**DOG
MATCHING**
View and match
with adoptable
dogs

**SUPPORT A
DOG**
Sponsor/donate
to an animal

**BREEDER/SHELTER
INFO**
Information about
the breeder/shelter

Calendar
UI

Schedule
dog
meet up

Organize
by tags

UI to
showcase
dogs

User
profile

Create
in-app
wallet

Sponsor
an
animal

See contact
info/location

Iteration 1

**ADD TAGS TO
DOGS**
Add tags (energy
level, friendliness,
good with kids,
etc)

**SHOW MAIN
DOG INFO**
Display dog's
picture and
name

USER FORM
Create a form
to fill user
preferences

**POSTER
PROFILE**
Have a poster
profile and associate
with posted dogs

**DISPLAY TAGS
ON DOG
PROFILE**
Show tags on
dog's profile

**VIEW EXPANDED
DOG INFO**
See information
about dog (bio,
age, breed, etc)

Iteration TBD

Total story points:

**CALENDER
VIEW**
Create weekly
calendar view

**BOOK MEET
UP**
Book an
opening for a
dog meet up

**HARD TAG
FILTERS**
Filter by
certain tags

**INDICATE
INTEREST
IN DOG**
'like' dogs

**VIEW 'LIKED'
DOGS**
See dogs user's
'watching' on
profile

WALLET UI
Page to display
wallet and
user funds

**One time
payments**
Set up a single
payment/donation
to the dog/shelter

**BREEDER
/SHELTER
INFO**
UI to show
contact info

**HIDE
UNAVAILABLE
TIMES**
Hide unavailable
meet-up times
from user

**CANCEL MEET
UP**
Cancel time
slot for a dog
meet up

**DOG MATCHING
ALGORITHM**
Show users dogs
which match their
preferences the
most, first

**ADD MONEY
TO WALLET**
Feature to
add/buy funds

**RECURRING
PAYMENT**
Set up a recurring
payment schedule

**SHOW SHELTER
DOG SELECTION**
Show/filter other
dogs at shelter

**BOOKING
DISPLAY**
Show user's
booked times

**UPDATE MEET
UP**
update time
slot for a dog
meet up

**SWIPE UI
FEATURE**
Swipe through
dogs, like
Tinder

**VALIDATE USER
FUNDS**
Cross reference
available funds
before making a
payment

**SHELTER
CONTACT
INFO**
Link to
email/phone

Iteration TBD

Total story points:

Updated Planning Document ITR1:

During Iteration 1 we have decided that we would not continue working on the Breed class at this moment as other classes were necessary to ensure proper communication between the original classes to achieve the goals of the user stories. We have added a DogList and PosterList class which have as their backbone a TreeMap and is used for us to visualise the list of all of our dogs and posters. We have also added a “matchMaking” class which allows us to select the best “dog match” based on the tags shared by the dog and the user. As such our group have worked on the following user stories: Poster Profile, Show Main Dog Info, Add Tags to Dogs, View Expanded Dog Info, Indicate Interest in Dog, and Dog Matching Algorithm. With this rearrangement in the order of the user stories we will later work on the remaining user stories in future iterations

We worked on building UI components for all of the classes we created previously. We experimented with build tools like gradle and maven and ultimately decided on using libraries with the downloaded jars from the javaFX SDK. With the GUI we are able to implement the desired functionalities as described in the user stories selected to be executed in the iteration.

Architecture:

https://lucid.app/lucidchart/fb4932be-8559-4b62-8f66-adfd7b8a6d0a/edit?viewport_loc=-1732%2C-1919%2C6507%2C3593%2C0_0&invitationId=inv_6b2bb8e9-669e-420d-b6d5-6ad9f2dd9716