Group 3

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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.

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 ALGORITM
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 ITR 1:

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/de8647f7-5f05-497b-8531-29ee26e8938f/edit?viewport_loc=-1015%2C-176%2C2869%2C1327%2C0_0&invitationId=inv_4bae584d-ff4c-43fa-8df0-e71436bbf9ae

Iteration 1 Tasks Timeline:

Task	Group Member	Expected Time (Story Points) **	Actual Time
Add tags to dogs	Connor	3	2
Show main dog info	Ekaterina	4	4
User profile	Isaiah	4	4
Poster profile	Zainab & Ekaterina	5	6
Display tags on dog profile	Yuqian & Ekaterina (UI)	4	4
View expanded dog info	Edson & Isaiah and Ekaterina (UI)	4	5

**1 story point=1 perfect working day

Updated Planning Document ITR 2:

During Iteration 2, our group aimed to create a solid foundation for efficient data management, laying the groundwork for the successful development of our project. We started working on implementing the database using postgresql for our application. The implementation included the creation of tables and the optimization of queries. Our local objects, such as the dog and poster class, are synchronized with the database.

Some changes were made to the backend of our application and the tests were updated to reflect those changes. Setters were added for the new attributes of dog objects.
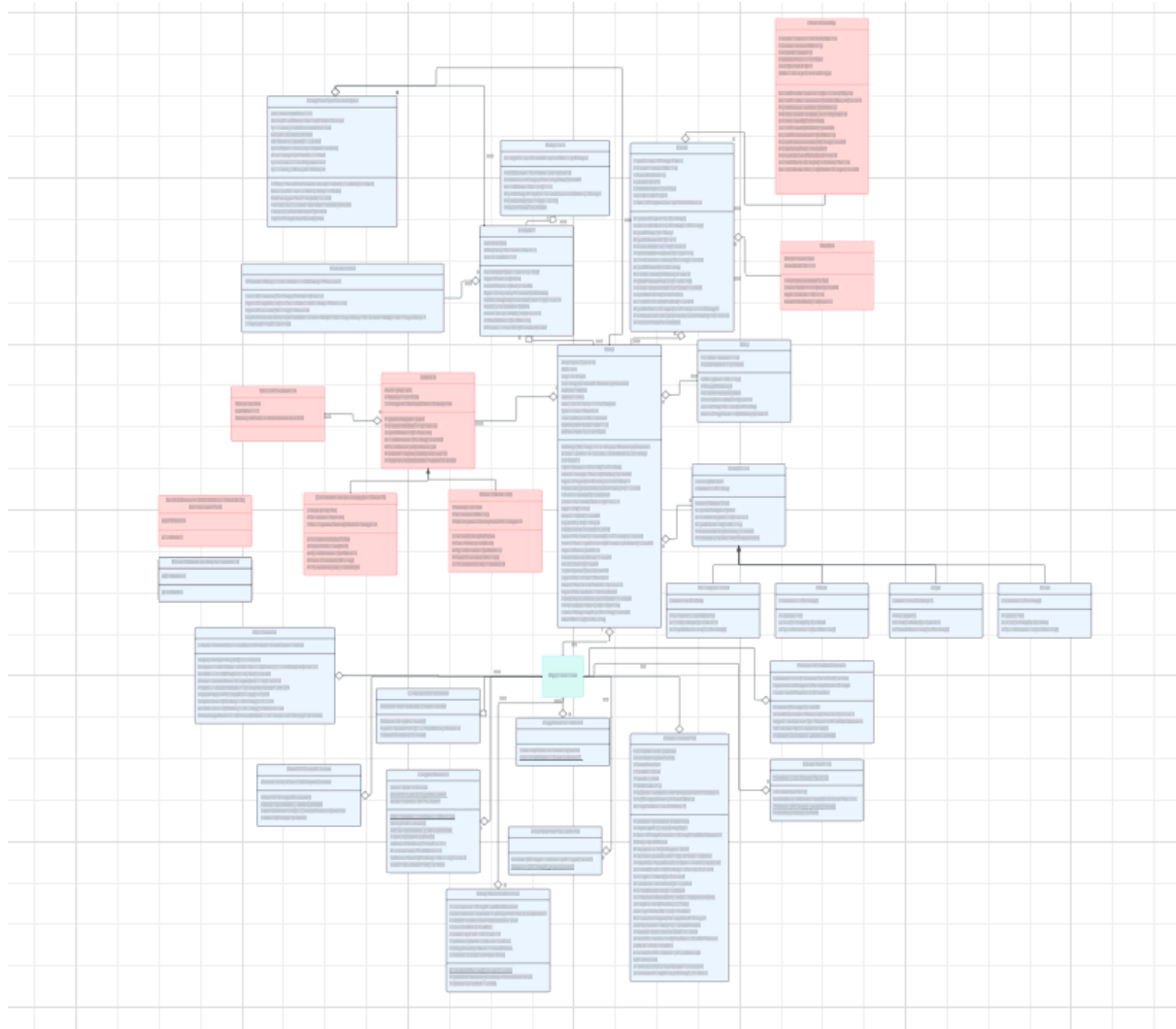
Duration: 3 weeks
Developer tasks that had been completed:
- Customer interviews
- Creating classes (dog, tag, poster, breed, user) base on user stories
- GUI displaying tags
- GUI for dog profile
- JUnit testing for all classes
- Manual testing for all codes
- Database

UML:

Miro Board Updated: https://miro.com/app/board/uXjVN0M_CQg=/ ←View entire story map here

Chosen user stories for iteration 2: