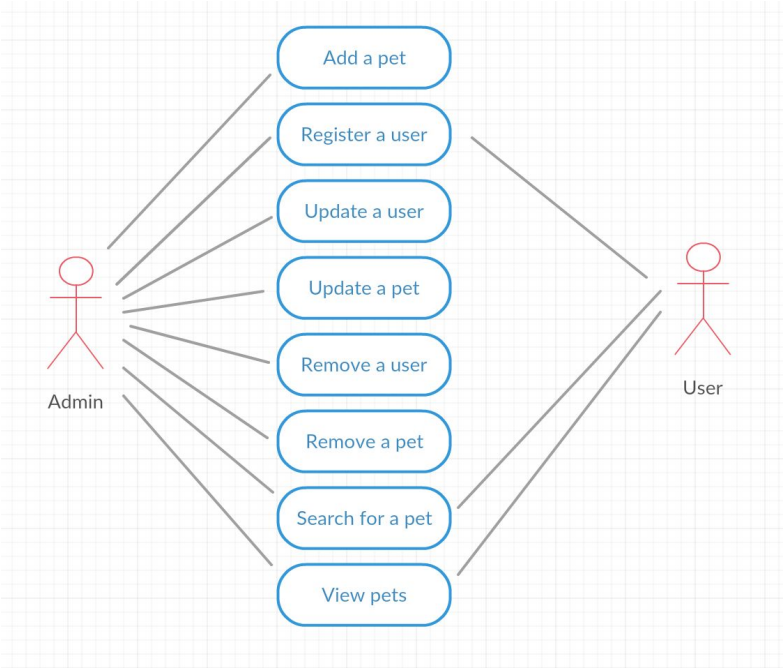
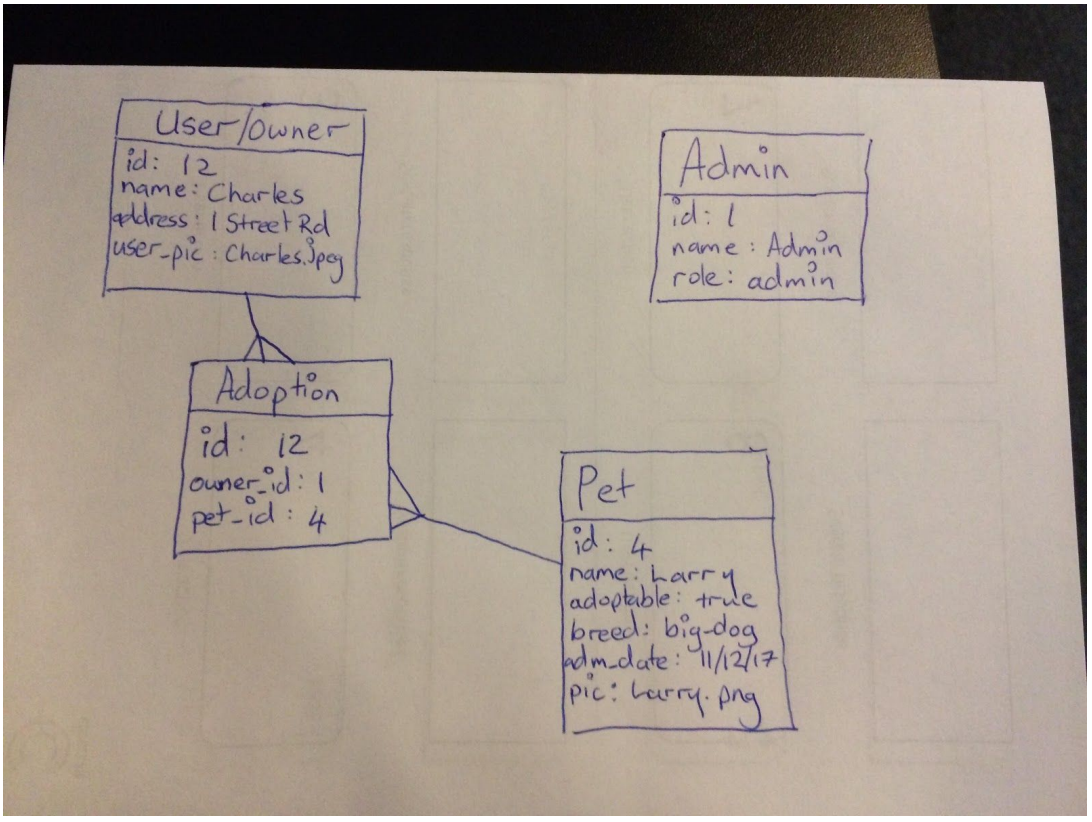
Robert James Bowes

PDA: Software Development Level 8
A & D - Analysis and Design Unit

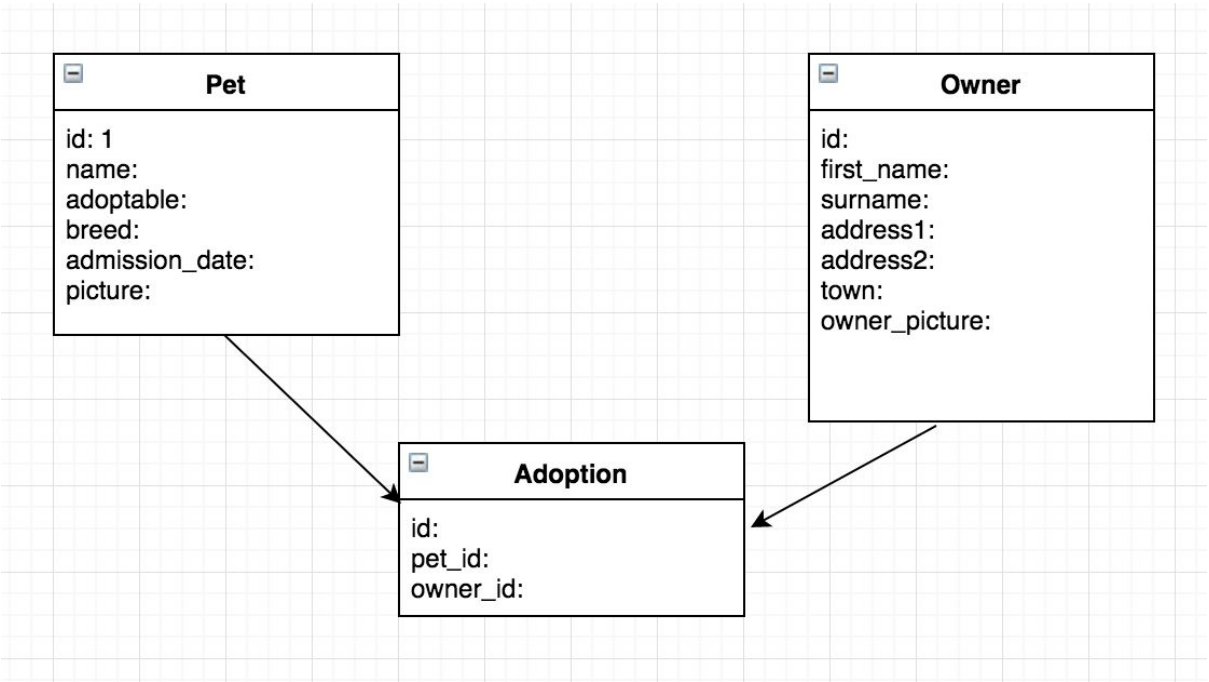
A & D - AD1



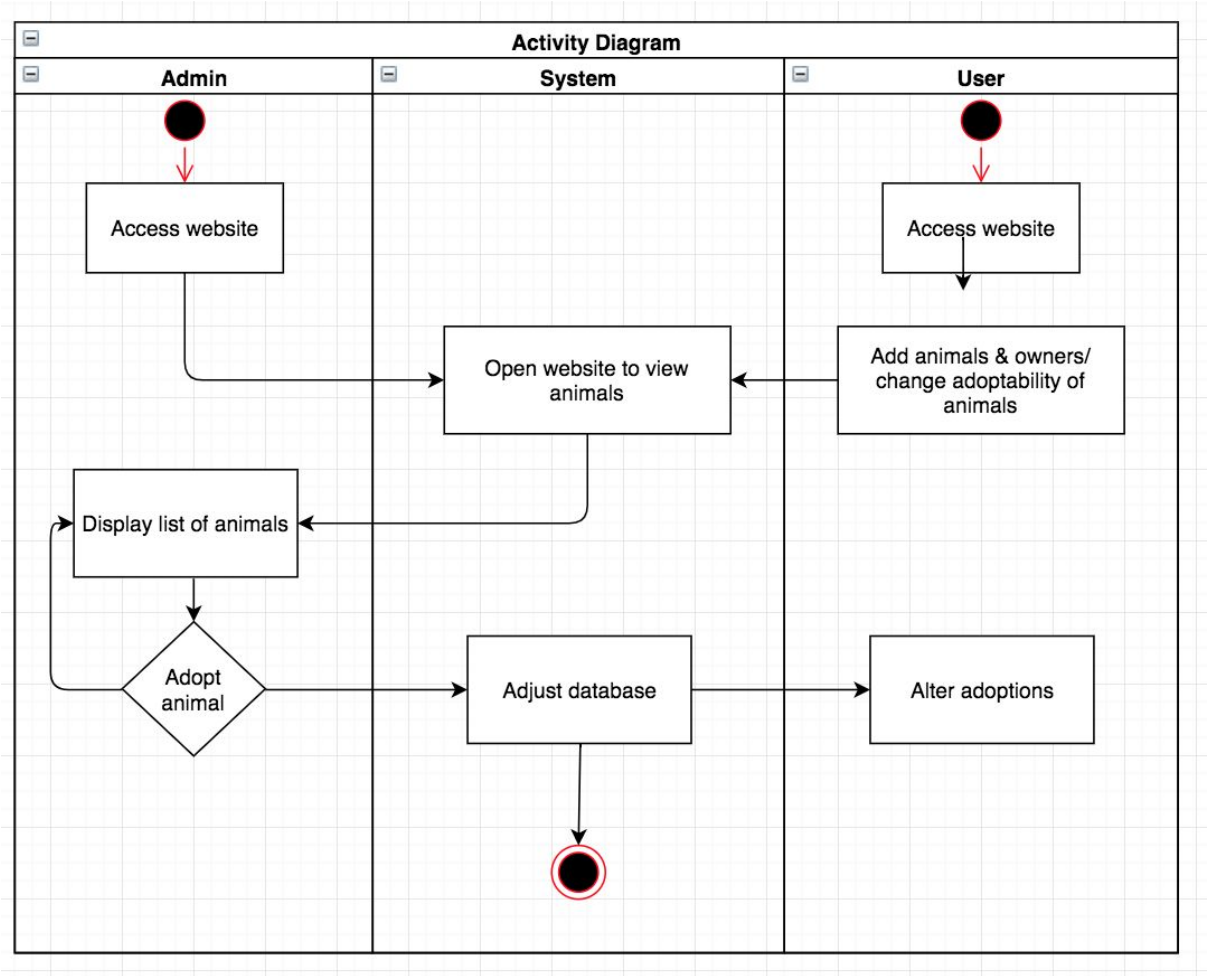
A & D - AD2



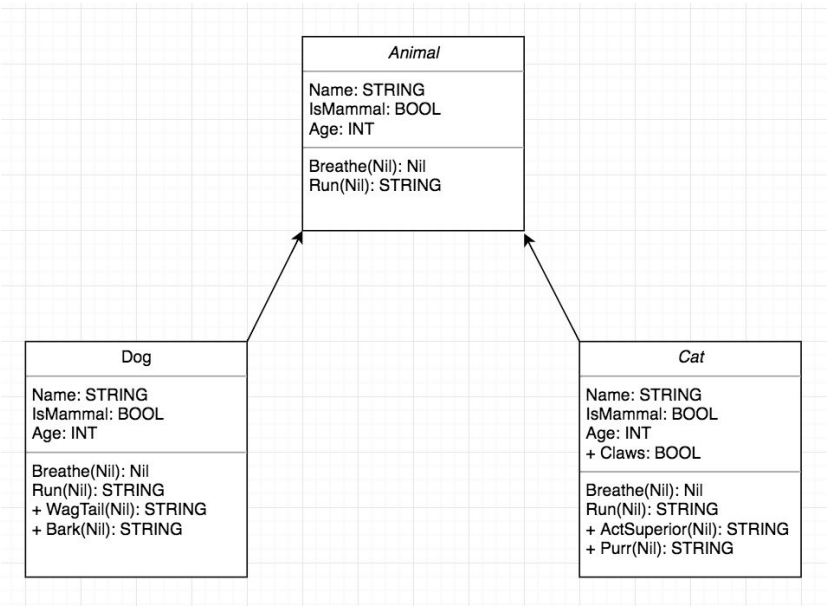
A & D - AD3


Pet
id: 1
name:
adoptable:
breed:
admission_date:
picture:
Owner
id:
first_name:
surname:
address1:
address2:
town:
owner_picture:
Adoption
id:
pet_id:
owner_id:

A & D - AD4


Activity Diagram
Admin
System
User
Access website
Access website
Open website to view animals
Add animals & owners/ change adoptability of animals
Display list of animals
Adopt animal
Adjust database
Alter adoptions

A & D - AD5



A & D - AD6

Constraints	Possible effect of constraint	Details
Hardware and software platforms	If not tested on mobile devices may not run adequately on all platforms. Not being accessible for certain users means it cannot be marketed to a large percentage of population.	Ensure that the app is responsive in order to ensure optimum usability/readability.
Performance requirements	If the web app is bloated and slow due to poorly written code it would reduce user experience.	Reduce the weight of the web app to ensure it runs quickly and effectively.
Persistent storage and transactions	Due to the way the site is set out searching for an individual animal could take a little time due to the lack of a search function.	Change the layout of the “all animals” section to ensure that it’s more readable - ensuring that customers are able to browse the website and find the pet for them.
Usability	Ensure that the text is of adequate size/supports screen reader to ensure that all users are able to use the site.	Reducing the number of people that can use the website reduces the amount of possible clients.
Budgets	There was no budget used in this project.	Personal project for the course of CodeClan - if it had been for commercial use more people could have been involved to ensure the highest quality website.
Time	An inadequate amount of time would result in the inability to fully implement all the features I wanted.	Ensure that enough time to allocated to the project to ensure that all the necessary features were correctly implemented to improve the overall quality of the website and user experience.