

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 64

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia



Pet Adopt Systems



2. A brief project description answering these questions:

a. What is the domain of the application? Describe it. The domain of an application refers to the area of knowledge your application resides in. For example, if I am making an application for a hospital, the domain would be something like healthcare/patient management/logistics (it would depend on what the application is trying to do).

For this project, the applications domain would be animal welfare and adoption management. Animal welfare management refers to the care of the pets as well as the management of the pets in the adoption centre. The adoption management aspect is more focused on going over the adoption process, including parts such as the application process.

b. What aspects of the domain are modelled by the database? In answering this question, you will want to talk about what your project is trying to address and how it fits within the domain. It is likely that in the process of answering these questions, you will bring up examples of a real-life situation that the application could be applied to.

The aspects of the domain that are modelled by the database would be the main activities and processes that occur in an animal shelter. These would include things like keeping track of animals and their associated attributes such as name, breed, age, status, and more. Animals will also have a relationship with the shelter they are located in where shelters will include attributes like name, address, and capacity. Adopters will have their contact information and have a relationship with the animals that they own. Each adoption would have an application saved tying which adopter is adopting which pet. The shelters will have staff such as volunteers, with their associated attributes, as well as paid employees. Vets will be able to treat animals and use medical records of the animals to assist with treating them. Overall, we are designing a very clean and easy database system for shelters to be able to use to help them keep track of their entire adoption process. Our database will keep track of all of the animal welfare and make it very easy for management to understand what is going on at every step in adoption.

3. Database specifications: (3-5 sentences)

a. What functionality will the database provide? I.e., what kinds of things will people using the database be able to do

The database will provide the functionality of keeping all the pets that have been a part of shelters. The shelters will be able to add, delete, update, and get animal information. This will be the key use of the database for our application so it will be able to provide which animals are available to be adopted by adopters. Still, also after they have been adopted we will keep track of the adoption history and the adopter. The database will also provide functionality for the adoption process by allowing users to submit applications which can be viewed by the adoption centre and further approved or denied. The database will be able to oversee the entire adoption process starting from an adopter filling out an application.

4. Description of the application platform: (2-3 sentences)

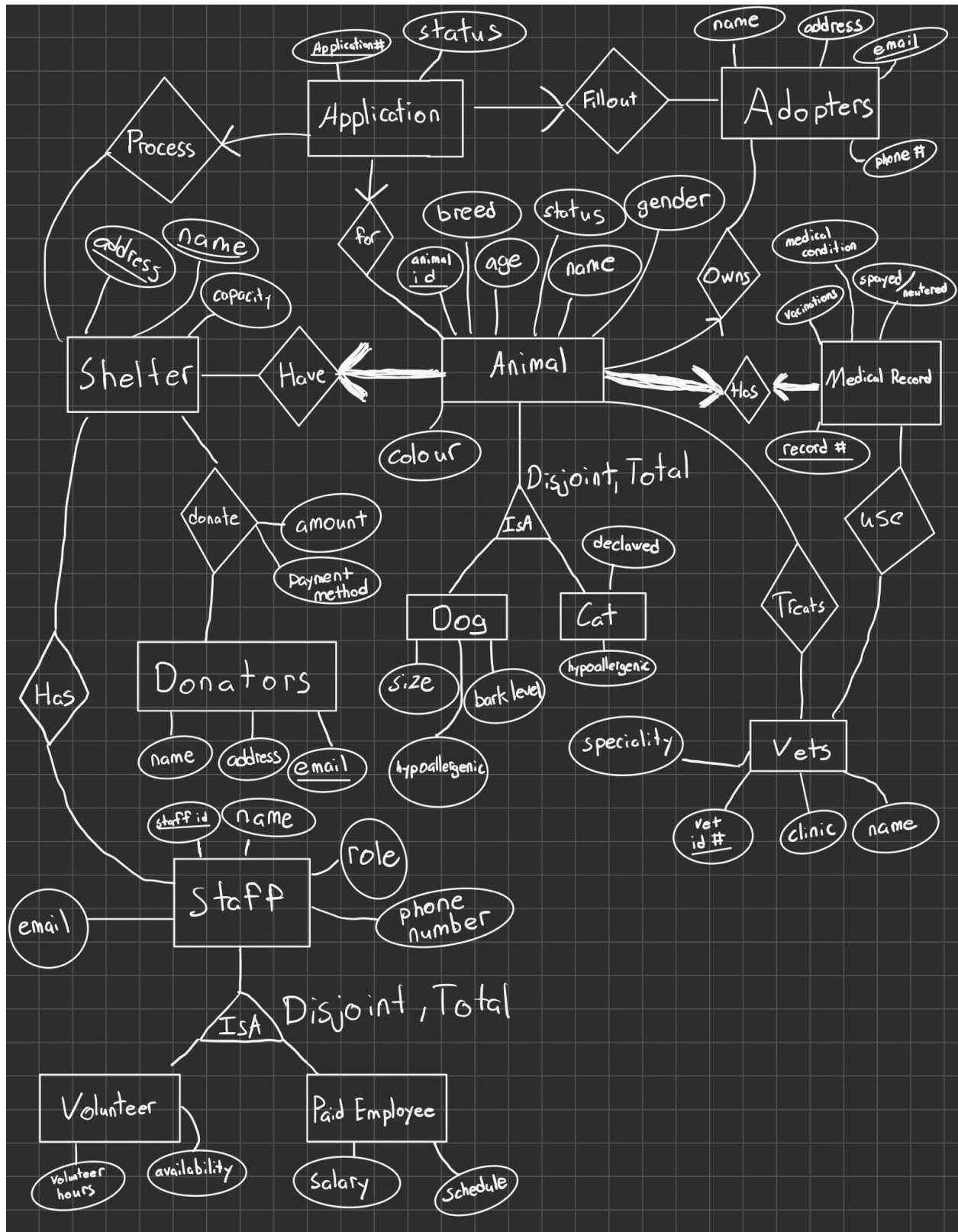
a. What database will your project use (department-provided Oracle, your own MySQL, etc.)? See the “Project Platforms” section of this document for more information.

For the database of the project, we will be using the department-provided Oracle. We are not very familiar with Oracle but using Oracle will be advantageous as we will get practice in tutorials and TAs will be able to help us as they will be familiar with this database.

b. What is your expected application technology stack (i.e., what programming languages and libraries do you want to use)? See the “Project Platforms” section of this document for more information. i. You can change/adjust your tech stack later as you learn more about how to get started for the project via latter tutorials.

For the tech stack, we will be using JavaScript and Node.js. We have a little bit of experience with this tech; however, again, we might adjust the tech stack depending on what we like when we are in tutorials but we will keep it like this for now.

Our ER diagram is on the next page:



7. Other comments, as appropriate, to explain your project :

- In our system, an animal must either be a dog or a cat so that is why we have total participation in our ISA
- The address attribute that we used multiple times is a full address with the building number to the country. It will not just be the street number. This allows an address to be unique. Example of address: 123 Example Street, Vancouver, BC, Canada.