CPSC 304 Project Cover Page

Milestone #: ____1____

Date: _____February 10, 2024_____

Group Number: ____18_____

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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

2.

a. We are making an application for an animal shelter with 7 entities, Owner, Worker, Animal, Shelter Corporation, Veterinarian, and Animal Hospital. Our domain will be animal management, animal health care, and the logistics of which animals are adopted, who is adopting, which worker helped with the adoption, and where the adoption took place (Shelter Corporation and Location).

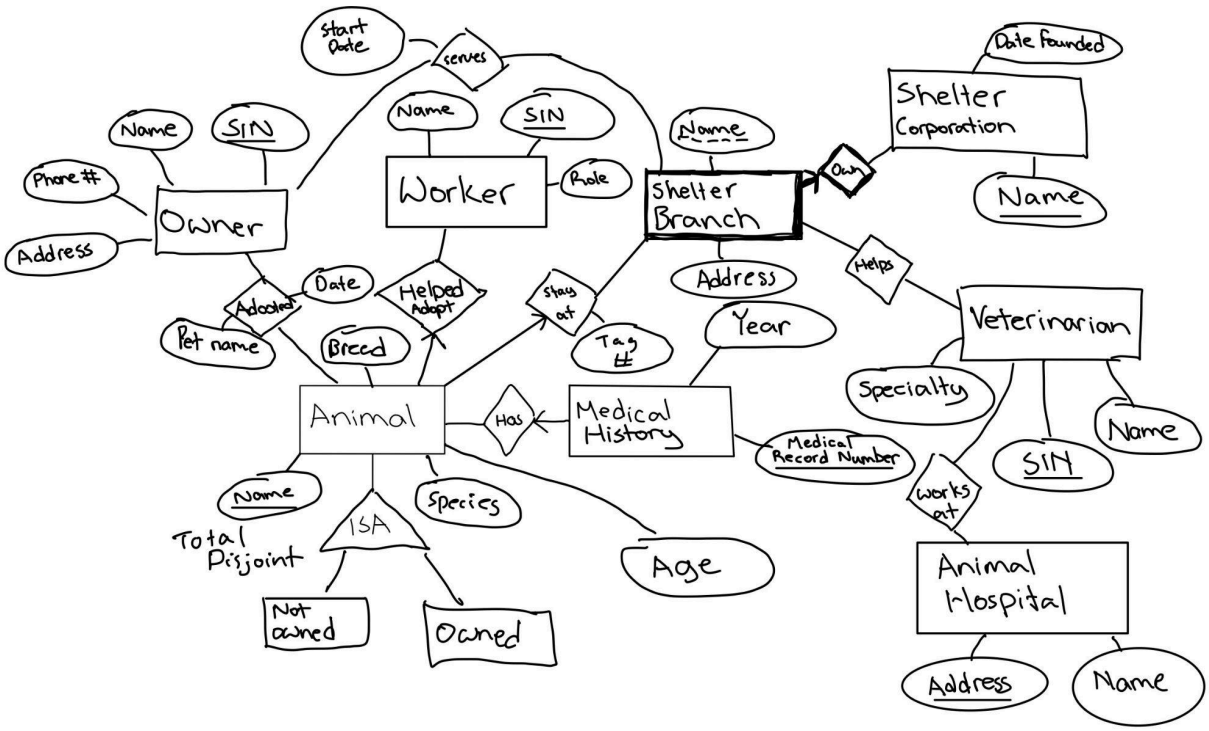
b. The aspects modeled by the database are:
Animal: The animal's breed, animal's name (key), animal's species, and whether the animal has an owner or not.
Owner: The owner's SIN (key), name, phone number, and address.
Worker: The worker's SIN (key), name, and role in the shelter.
Shelter Corporation: Shelter Corporation's name (key) and date formed. The shelter also has a weak entity which is the branch of the shelter with name as a secondary key.
Veterinarian: SIN (key), name, and specialty (animal specialty).
Animal hospital: Address (key) and name.
Medical history: Medical record number (key) and name.

3. The users we envision using our application consist of Veterinarians, Veterinary Workers and Pet Owners, three entities modelled in our ER diagram. Our database will provide important organizational features to animal shelters that must keep track of all their animals, their owners, and their associated medical information. This makes pet owner's lives easier as they can conveniently access all their pets' important medical information without having to contact an animal hospital, veterinarian, or shelter branch individually. This also makes shelter and veterinary employees' lives easier as they can input and keep all their animal information in a unified and organized place. Shelters may need to store and access adopted pet information if an owner ever contacts the shelter. Veterinary hospitals may need to access an animal's medical information as well as their adoption history, if it becomes relevant to their medical care.

4.

(a) Our project will use PostgreSQL for its database.

(b) Our expected application technology stack involves Node.js and Express.js to interface with our PostgreSQL database through a public library called node-postgres. Additionally, we will use HTML and CSS to style our GUI. We will also be using GitHub for version control. Additionally, we will use pgAdmin to view the entries in our PostgreSQL database as needed while debugging.


Start Date
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Not owned
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