

CPSC 304 Project Cover Page

Milestone #: 1

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Group Number: 42

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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

Project Description

a. Domain of the application

The domain of this project focuses on disability support and animal therapy. The application revolves around managing specialized animals like disability-support dogs, mental-therapy animals, and those retired from active services. The application also deals with intricate relations between these animals, staff, trainers, people with mental and physical challenges, and adopters.

b. Aspects of the domain that are modeled by the database

- The database catalogs profiles for service dogs and mental-therapy animals, documenting their essential details such as their training history, health status, skills, etc.
- The database also contains staff records with their roles and qualifications for training and conducting the therapy sessions.
- Moreover, individuals in need of support and potential adopters for retired animals have profiles detailing their specific needs and contact information.
- Such a database allows for a matchmaking mechanism to pair them with suitable animals.

Database Specification

The database will serve these functionalities:

- Keep track of the basic information of animals, staff, therapy patients, and disabled people in the facility.
- Keep track of the adoption of retired animals with the basic information of adopters.
- Keep track of the origin of animals, i.e., the basic information of breeders or animal rescue organizations.
- Specify the roles of facility staff between training service dogs and conducting therapy sessions.
- Record each therapy session and services

Application Platform

This project will make use of Oracle DBMS provided in the department server. SQL (Structured Query Language) will be used as the fundamental language to create and manipulate the database. PHP will be utilized to develop a data-driven web application that interacts with the database from the server side.

ER Diagram

