University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 3

Date: October 28, 2023

Group Number: 61

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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

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1)   A brief summary of our project:

Our DBMS centers around an adoption shelter for animals. We model various information related to the shelter, such as the different animals, workers, events hosted, and the animals' health information. Thus, our domain for this application is animal shelter management and logistics.

2)   Task breakdown

Backend:
- Insert table queries
  - Populate tables with starting data queries
  - allow user input to add more tuples (not all 'hardcoded' queries)
    - Throw error if input domain is wrong or if input is a duplicate
    - Security practices are followed
- Create table queries
- Required assertion checks
- Update table queries
- Delete statements (eg. for deleting an event)
- (Queries will include joins, aggregation, division, selection, projection, etc)

Frontend:
Note: Our shelterManager and shelter entities are one to one with both having total participation
- Sign up button for new shelter managers. They input a new manager ID and new shelter name and location. If either of these information is already existing in DB then they **receive an error** message to try again (DEADLINE: November 15, 2023)
- Login for shelter manager with their ID. If incorrect ID inputted -> give an **error message** to try again. If ID inputted is in DB then allow them to view their shelter info. All info shown is filtered for the shelter they manage only (DEADLINE: November 15, 2023)
  - On a **navigation bar**, we will include: (DEADLINE: November 15, 2023)
    - Home: This will **include information** about shelter, number of volunteers and adopter this shelter has. There will be section that shows if there is any upcoming event that is gonna happen in that month. (If we make a change of adding date to inspect relationship: Then also show the most recent inspector info and whether its standards were met is shown). (DEADLINE: November 24, 2023)
    - Animals: This will link to the Animal Page. On that page,there are going to be multiple **search bars** on the top that will enable the manager to **select on** the animal type, vaccination status, breed, age, weight etc.We will project the data (DEADLINE: November 24, 2023)
      - The search result will produce a table that just include the animal's name,type and breed.(**By projection**). We **can click the name of an anima**l and it will direct the manager to

another page that provides other information about the animal and the health record, the vet(only vetID shown) associated with that health record, vaccination information and adopter(only adopterID shown) of the animal (if applicable). This is done through **joining** the relevant tables and displaying all information. (DEADLINE: November 24, 2023)

- Events and Workshops:This will link to the Events and Workshops page. On that page, the shelter manager would **see a table of all** events and workshops in decreasing order of dates. The manager should also be able to **add new events, delete events and update events info by the "Add new events", "Delete" and "Edit" button respectively on that page.** (DEADLINE: November 24, 2023)
- Vets: Manager can **view a table of vets** working for their shelter. They can **add** new vets as well. (DEADLINE: November 24, 2023)
- Adopters: Manager can view a table of adopters with their information listed. They can **add** new adopters and **update** information about current adopters. Manager can also **choose what attributes of adopters they want to see** by selecting the attributes in a drop down menu beside the data. (DEADLINE: November 24, 2023)
- Volunteer: Manager can **view** all the volunteers working for their shelter. They can **add** new volunteers as well. (DEADLINE: November 15, 2023)
- Inspectors: **View** all inspectors that have inspected their shelter. They see whether the inspector said the shelter meets standards or not. They can **add** new inspectors. (DEADLINE: November 15, 2023)
- My profile: Shelter manager can **view** their own info (like salary). They can **update** their own information (eg. if their salary changes). (DEADLINE: November 15, 2023)
- **Logout button:** Takes you back to login page (DEADLINE: November 15, 2023)

3)   Task assignment and Timeline
- All group members will be using an end-to-end approach. So every person responsible for a frontend task is also going to be doing the backend work required for that task

We color coded the tasks above. Deadlines are indicated next to each task.
Sign up + Login + Event and Workshop + Vets: Ece Celik

Navigation bar + Animals (and relevant pages for animal info) + My profile + Logout: Selina

Home + Volunteers + Inspectors + Adopters: Sogand Haji-Salimi

4) Description of challenges/things left to do

- Meet as a group after both deadlines to discuss new challenges we encountered along the way
- Set up MySql, create statements, initial ddl insert statements, and github configuration (using info from milestone 2)
- Consistent organization of folders and files for code.

These are the user stories we followed to identify tasks above:
User Stories:
1. We want to be able to let shelter manager to log in
2. We want to be able to sign up new shelter managers
3. We want to be able to add animals to database.
4. We want to be able to filter animals based on keywords (in search bar)
5. We want to be able to add and delete events to database.
6. We want to be able to add health records associated with different animals to database
7. The shelter manager can view all the inspections that the shelter they work at received
8. Shelter manager can add volunteers to DB
9. Shelter manager can assign adopter to the animals adopted. ach adopter has personal info shown if their file is clicked on
10. Shelter manager can view and add vet info