University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 3

Date: 07/03/2025

Group Number: 4

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
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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

CPSC304 Group 4: Farm Manager
Milestone 3: Project Check-in

Deliverables

1. **Brief summary of project**
   Our application will be a tool for farm management, including workers, inventory, machinery, animals, and sales. It is intended to allow managers to monitor profits from the farm and ensure that many farm management operations are running smoothly.

2. **Timeline and task breakdown/assignment**

March 10-14
All:
- Become familiar with bootstrap code
- Ensure sample project is working and understood

March 17-21
All:
- Meet with project mentor for M3

Hannah:
- Create a basic GUI, a canvas on which to add details and functionality (Hannah)
- Queries
  - Selection
  - Projection
  - Join

Ashley:
- Refine DDL and insert statements based on mentor feedback
- Write queries:
  - INSERT
  - UPDATE
  - Aggregation with GROUP BY
  - Aggregation with HAVING

Matt:
- Add DROP TABLE statements
- Write queries (one of each, it seems from the M4 rubric):
  - DELETE
  - Nested aggregation with GROUP BY
  - Division

March 24-28
All:
- Compile SQL script into a single file

Hannah:

- GUI
    - Fields for details, buttons, and list of all instances for: farmer, customer, animal, product, storage building, transaction, machinery
        - Button to delete instances,
    - Button next to each farmer to create a shift for them, and list all shifts in chronological order
        - Delete shift, cascade when farmer is deleted

Ashley:

- GUI
    - Separate Tables for tendsTo, uses, and feeds
    - Table for each storedIN (each storage building would have separate table for all items stored)

Matt:

- Describe assertions IF any would be necessary
- Finish GUI
    - Table for all dairy, table for all eggs
    - Table for all purchased products
    - Table for all transactions

March 31-April 2

All:

- Format all documents as PDFs

Hannah:

- Update README with any necessary information
- Explain any schema changes from planning stage

Ashley:

- Take screenshots of the data present in each relation after the SQL script is run

Matt:

- Create M4 cover page
- Write a description of the project and what it accomplished
- Submit repo link on Canvas