CPSC 304 Project Cover Page

Milestone #: 3

Date: October 17, 2024

Group Number: 71

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

Project Summary (from Milestone 2):

Our application is used to model how a record label operates. The application is used to show the business and creative processes of a record label with a focus on sales information.

Timeline and task breakdown/assignment:

To-do list:

Frontend GUI
Backend
10 queries:

- INSERT
- DELETE
- UPDATE
- Selection
- Projection
- Join
  Complex:
  - Aggregation with Group By
  - Aggregation with Having
  - Nested Aggregation with Group By
  - Division

SQL script/file

- DDL
- INSERT
- DROP

Connect frontend and backend
Error Handling
User-friendliness
User notification

Timeline:

1. Finalize tech stack - JavaScript is more or less finalized, but relational database management system is yet to be 100% determined. We initially decided on using PostgreSQL after some online research, but we are not familiar with how to use it or set it up.
    a. **Goal:** Familiarize ourselves with department provided Oracle and local relational database management systems (PostgreSQL, mySQL) to see which one will be the better choice.
    b. **Deadline:** November 4, 2024
    c. **Assigned to:** Both

2. Write SQL script/file
    a. **Goal:** Complete SQL script so that both group members can use it as a standardized environment to test against. DDL, INSERT, and DROP statements should all be included in the script.
    b. **Deadline:** November 6, 2024
    c. **Assigned to**:
    DDL + DROP statements: Alice
    INSERT statements: Andrew

3. Write queries
    a. **Goal:** Complete the implementation of 10 queries, making sure they meet the specifications in the Project Reference Guide, as well as including a copy of the query and 1-2 sentences describing what it does for queries 2.1.7 through 2.1.10.
    b. **Deadline:** November 18, 2024
    c. **Assigned to:**
    Queries 2.1.1-2.1.3 + 2.1.7 + 2.1.8: Andrew
    Queries 2.1.4-2.1.6 + 2.1.9 + 2.1.10: Alice

4. Complete frontend GUI
    a. **Goal:** Complete frontend GUI, with buttons or a dropdown for each query so the user can execute it. Ensure that the frontend is properly connected to the backend.
    b. **Deadline:** November 22, 2024 (ongoing linking of front and backend)
    c. **Assigned to:** Both (each member takes care of the GUI for their respective queries)
    “Frontpage”: Andrew

5. Ensure “other features” are completed
    a. **Goal:** Ensuring that 2.2.2 through 2.2.7 are met. User values are sanitized, errors are appropriately handled with notifications, the application is user-friendly with user-friendly results, users receive notifications upon success and failures and are able to verify the action’s effect on the database, and that tables are able to be dropped/recreated/reloaded.
    b. **Deadline:** November 29, 2024
    c. **Assigned to**: Both
    Sanitization: Andrew
    User notifications and error handling: Alice
    User-friendliness: Both
    Confirming that tables are able to be dropped, recreated, and reloaded: Andrew