University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 3
Date: October 31th, 2023

Group Number: 112

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

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Project Summary:

Our project manages job applications submitted by individuals, providing an organized approach to job hunting. Users will be able to store and view information such as the application itself, documents related to the application, post-interview notes, etc..

Timeline:

- **Create Cover Page (DEADLINE: 03/11/23) :** *Alex*
    - Create a cover page for the project (following the rubric criteria for format)

- **SQL Script (DEADLINE: 05/11/23) :** *Colin*
    - Write a SQL script that includes all the required tables and data for the database
    - Ensure it is well-documented

- **Schema (DEADLINE: 12/11/23) :** *Steven*
    - Provide a concise summary of the final project and its achievements.
    - Explain any variations between the ultimate database schema and the initial one that was initially proposed, and clarify the rationale behind these modifications.
    - Present the schema with primary key attributes underlined and foreign keys highlighted in bold.
    - Create visual representations, like screenshots or diagrams, illustrating the data contained in each database table following the execution of the SQL script.
    - Enumerate all SQL queries employed, indicating where they can be located within the code (specifying the file name and line number).
    - Include visual demonstrations showcasing the functionality of each obligatory query using the graphical user interface, including the state before, during, and after executing the query.

- **SQL Queries (DEADLINE: 15/11/23) :** *Alex, Colin, Steven*
    - Create all required queries (look at documentation for precise criteria)

- **Create the GUI (DEADLINE: 20/11/23) :** *Alex, Colin, Steven*
    - The initial part involves creating an HTML + CSS landing page featuring a form for submitting queries. This form should include multiple select components and text input fields for users to explore data within a job application tracker system.
        - Query personnel data (applicants, interviewers, companies).
        - Query job application results data (job status, interview locations).

        - Establish a connection to the backend.
        - Apply front-end styling for an appealing user interface.

    - Following the user's query submission:
        - If the query is invalid, provide an error message to the user, indicating the issue.
        - If the query is valid, display the results from the job application tracker database in a table format.

- **Compile Documentation (DEADLINE 20/11/23) :** *Steven*
    - Compile all documentation into a unified PDF document, adhering to the specified format and order as outlined in the task description.

- **README.txt File (DEADLINE: 29/11/23) :** *Colin*
    - Create a README.txt file to add details not mentioned in the PDF document
    - Include screenshots of the application and a short summary

- **Testing and Verification (DEADLINE: 30/11/23) :** *Alex*
    - Validate the SQL script's functionality to ensure it can be executed without encountering any errors on the undergraduate servers.
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    - Confirm that all queries outlined in the documentation are operational and yield the anticipated results.

- **Repository Submission (DEADLINE: 01/12/23) :** *Steven*
    - Commit all deliverables to the CPSC 304 provided repository
    - Submit a link to your repository on Canvas

- **Rehearsal (DEADLINE: 04/12/23) :** *Alex, Colin, Steven*
    - Meet up and rehearse for a mock presentation of the final demo

CHALLENGES:

- SQL Complexity: Developing complex SQL scripts and ensuring their correctness might be challenging. Extensive testing and validation will be necessary
- Creating a user-friendly and visually appealing GUI may take time and effort
- Learning React and Javascript to effectively communicate the GUI

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Github Repository Link:

https://github.students.cs.ubc.ca/CPSC304-2023W-T1/project_m6z6r_t3x0n_t5e1u