University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: ____3____

Date: _____2024/3/11_____

Group Number: _____2_____

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Anzhe Xue	70299383	l7c1q	anzhexue0705@gmail.com
Fangzhou Ye	72990732	x7g0p	yefangzhou2020@126.com
Emily Zhang	30758320	j6e3z	emilyzhang918@gmail.com

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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Summary:

Our project is an investment management system focusing on the bond market and the stock market, allowing users to create an account with several watchlists to monitor bonds and stocks. Our database focuses on stocks of public traded companies and bonds issued by publicly traded companies and governments.

Timeline and task breakdown/assignment:

By March 20: (Fangzhou Ye)

- figure out how to organize/set up our repo (e.g. create folders like src, determine where to put scripts, etc…)
- add a single sql script that create all the tables, and incorporate TA feedback from milestone 2 (eg fixing the naming of tables)

By March 23: everyone

- study oracle-test.php to observe how the frontend and backend is created, and how everything is setup

By March 25:(Fangzhou Ye)

- setup the basics similar to oracle-test.php
- create frontend with html + css, use example from tutorial 7 to add UI components for everything below and reference the rubrics of milestone 4 + 5 to ensure that we meet all criteria
    - insert
    - update
    - delete
- create backend for each of items listed above

By March 27: (Emily Zhang)

- create frontend with html + css, use example from tutorial 7 to add UI components for everything below and reference the rubrics of milestone 4 + 5 to ensure that we meet all criteria
    - selection
    - projection
    - join
- create backend for each of items listed above

By March 29:(Anzhe Xue)

- create frontend with html + css, use example from tutorial 7 to add UI components for everything below and reference the rubrics of milestone 4 + 5 to ensure that we meet all criteria
    - aggregation with group by
    - aggregation with having
- create backend for each of items listed above

By April 1:(Anzhe Xue)

- create frontend with html + css, use example from tutorial 7 to add UI components for everything below and reference the rubrics of milestone 4 + 5 to ensure that we meet all criteria

    - Nested Aggregation with Group By
    - division
- create backend for each of items listed above

challenges:

- creating the first query and getting the frontend + backend to work may be more difficult compared to the latter ones, as there isn't any previous work to reference on. However we can use the examples from oracle-test.php and see how we can incorporate it in our project
- deciding which tables to make meaningful queries may be challenging as we have a total of 23 tables
- We are not familiar with php and html, so we need to learn through tutorials and other resources.