

CPSC 304 Project Cover Page

Milestone #: 3

Date: 03/12/2024

Group Number: 97

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address
Ayush Joshi	20443560	i9h9l	Ayushmehuljoshi@gmail.com
Dhruv Ganesh	90793209	t0b2m	Dhruvganesh307@gmail.com
Stallon Pinto	88077979	s7f6k	Stallonpinto03@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

Summary

The database facilitates a comprehensive financial management system, encompassing User, Account, Stock Data, and Investments such as Stocks and Cryptocurrency. Users can register and log in, utilizing the account to fetch market data to provide some technical indicators, which would aid in investment decision-making. The system allows users to make investment decisions by updating their portfolio based on the data-driven insights provided by the account.

Timeline

1. **March 14 - March 20 (Stallon & Dhruv):**
 - **Task:** Set up PostgreSQL database and write SQL script.
 - **Description:** Dhruv and Stallon will work on creating the necessary tables and data in the database, ensuring that SQL DDL and INSERT statements are comprehensive and properly structured according to the rubric.
2. **March 21 – March 23 (Dhruv):**
 - **Task:** Develop project description and README.
 - **Description:** Dhruv will draft a detailed project description addressing the financial tracker app's objectives, features, and technologies used. He will also ensure that the README contains all necessary instructions for setting up and running the application.
3. **March 23 - April 1:**
 - **Task:** GUI development and queries implementation.
 - **Description:** Ayush, with Stallon's help, will focus on developing the frontend interface using React. Additionally, we will work together on implementing various SQL queries specified in the rubric, including INSERT, DELETE, UPDATE, Selection, Projection, Join, Aggregation with Group By, Aggregation with Having, Nested Aggregation with Group By, and Division operations.
4. **April 2 - April 4:**
 - **Task:** Finalize any pending tasks and conduct testing.
 - **Description:** The team will collaborate to review and finalize their respective tasks. Dhruv will ensure the SQL script and database setup are error-free and meet all requirements and will double-check the project description and README for accuracy and completeness. Stallon and Ayush will conduct thorough testing of the GUI and implemented queries to ensure functionality and usability.
5. **April 5:**
 - **Task:** Submission and preparation for project demo.
 - **Description:** The team will finalize any last-minute adjustments and submit the completed financial tracker app according to the project requirements. We will also prepare for the project demo by ensuring all deliverables are in order and rehearsing their presentation.