University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone # : 3

Date : Mar 4, 2024

Group Number : 22

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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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1. Project Summary

We are building an application to record games of Texas Hold'em Poker (no limit). The database will model the game itself, and some information about the players, but not information about game strategy. Using this database, users will be able to record how previous games of poker played out, and it will have enough information to accurately recreate those games.

2. Timeline

List of responsibilities

- Front End: We are making a web application **Matthew**
    - UI Design (we can use Figma?)
    - Implementation (likely with React.js)
- Database API:
    - Design: What do we want our endpoints to be? What should these endpoints do? What payload is associated with these endpoints? I think we can ignore authentication/authorization for this project. **Matthew Allya Sid**
    - Implementation: This should accept HTTP requests and make the appropriate queries to the database (probably using Python Flask) **Allya**
    - Testing: Write some test cases to ensure queries behave as expected. We can assume that the sample dataset is loaded into the database, or we can manually insert data as part of the testing **Sid**
- Database Setup:
    - Most of this work is done for us because we are provided with a database, but there are still some tasks to do
    - Migration utilities: Create a SQL file that we can run to set up/reset the database with the appropriate tables **Matthew**
    - Sample dataset: Create a SQL file that will populate the database with sample data **Matthew Sid**

Here are some considerations to keep in mind while we are working (from reading milestone 4 document)

- A single SQL script to reset the database and load in sample data
- We should include the following division operations: division (more than 2 columns), GROUP BY
- How did our SCHEMA change from our original SCHEMA
- List of all SQL queries, and where they can be found in code
    - INSERT, UPDATE, DELETE, SELECT, projection, JOIN, GROUP BY, HAVING, nested GROUP BY, DIVISION
    - For each operation, we need 1 set of screenshots showing: what does table look like before operation, what button in the GUI triggers the operation, and how does the table look after the operation

3. Previous Deliverables

Pdfs of all previous milestones have been uploaded to the repo.

4. Git Commits

All group members have made a commit to the repo.

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5. Repo URL

Our repo url is:
https://github.students.cs.ubc.ca/CPSC304-2023W-T2/project_d7a3b_k3q9c_s3t4n