University of British Columbia, Vancouver
Department of Computer Science

CPSC 304 Project Cover Page

Milestone #: 3

Date: October 25th, 2024

Group Number: 25

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

SUMMARY

We are making a database for a social media platform inspired by the popular application Reddit with similar features, but with our own tweaks. Our domain will model basic social networking concepts, such as users, communities, posts, comments, messages, attachments, chat rooms, and awards. The user interactions are modeled in the relationships between entities where users can join communities, follow other users, make posts and comments with attachments, give awards to and upvote/downvote posts and comments, and enter chat to message other users.

Timeline and tasks breakdown:

By Milestone 4 (Implementation Phase) - Due date: 10 PM, November 29

Task	Student	Estimated due date
Repository deliverables		
Commit README	**Jessica**	**Oct. 24 (completed)**
Commit Milestone 1	**Jeff**	**Oct. 24 (completed)**
Commit Milestone 2	**Hansel**	**Oct. 24 (completed)**
Commit Milestone 3	**Jessica**	**Oct. 25 (completed)**
Implement 10 queries		
INSERT	**Hansel**	**Nov. 6**
UPDATE	**Jessica**	**Nov. 6**
DELETE	**Hansel**	**Nov. 6**
Selection	**Jessica**	**Nov. 13**
Projection	**Jeff**	**Nov. 13**
Join	**Jeff**	**Nov. 13**
Aggregation with GROUP BY	**Hansel**	**Nov. 20**
Aggregation with HAVING	**Jessica**	**Nov. 20**
Nested Aggregation with GROUP BY	**Hansel, Jeff**	**Nov. 20**
DIVISION	**Jessica, Hansel**	**Nov. 24**
GUI		
Rough GUI Design	**All**	**Nov. 15**
Add Basic GUI Components	**All**	**Nov. 20**
Completed GUI	**All**	**Nov. 28**
Other*		
Add sufficient User Data	**All**	**Nov. 4**
User notification	**All**	**Nov. 17**
User-friendliness	**All**	**Nov. 24**
User-friendly query results	**All**	**Nov. 24**
Drop, Recreate, and Reload Tables	**All**	**Nov. 24**
Error handling	**All**	**Nov. 25**
Sanitation	**All**	**Nov. 25**

**These are the qualities of our app that we will uphold when working on them*

Challenges/Things Left To Do:

- Write .sql script to initialize database
- Decide on the appropriate queries to use on each relation and vice versa
- Start Implementing Queries
- Test queries and any helper functions
- Decide on framework or library for GUI implementation
- Design and implement GUI
- Incorporate user-friendly elements into GUI
- Testing and bug fixes
- Quality control and check that it satisfies 'others'

By Milestone 5 (Demo Phase) - Due date: December 2 – 7

(To be completed together)

1. Time slot sign-up
2. Preparation
    a. TA will ask if any formal specs (list of deliverables) do not work.
    b. We will need to re-create and repopulate the tables with .sql file. Prepare commands to do this to not waste time.
    c. Demonstrate our queries and TA will ask to change some input values.
    d. TA will ask technical questions after demo is over. (e.g. If I wanted to change 'this' to 'that', how would I do so and where in the code would I implement that?)

By Milestone 6 (Peer and self-evaluation) - Due Date: November 29

(To be completed by everyone)

1. Canvas quiz

GitHub Repository Link

https://github.students.cs.ubc.ca/CPSC304-2024W-T1/project_l7j4y_l7z7n_m3v1i.git