

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
Commit Milestone 1	Jeff	Oct. 24
Commit Milestone 2	Hansel	Oct. 24
Commit Milestone 3	Jessica	Oct. 25
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	All	Nov. 15
Basic GUI	All	Nov. 20
Completed GUI	All	Nov. 28
Other*		
Sanitation	All	Nov. 25
Error handling	All	Nov. 25
User-friendliness	All	Nov. 24
User-friendly query results	All	Nov. 24
User notification	All	Nov. 17
Drop, Recreate, and Reload Tables	All	Nov. 24
Add sufficient User Data	All	Nov. 4

**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
- Design and implement GUI
- Incorporate user-friendly elements in to 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