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
Jeff Kim	70668132	m3v1i	Jeffkim7@hotmail.com
Jessica Patricia	81731218	l7j4y	jessicapatricia012@gmail.com
Hansel Poe	82673492	l7z7n	hpoe01@student.ubc.ca

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 (Per Tasks and Milestones):

separate timeline for all milestones combined fully in chronological order is on the last page

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
Citations	All	Nov. 28
PDF File	All	Nov. 29

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

(To be completed together)

1. Time slot sign-up (date TBA)
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

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'

GitHub Repository Link

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

Task	Student	Estimated due date
Commit README	Jessica	
Commit Milestone 1	Jeff	Oct. 24 (completed)
Commit Milestone 2	Hansel	
Commit Milestone 3	Jessica	Oct. 25 (completed)
Add sufficient User Data	All	Nov. 4
INSERT	Hansel	
UPDATE	Jessica	Nov. 6
DELETE	Hansel	
Selection	Jessica	
Projection	Jeff	Nov. 13
Join	Jeff	
Rough GUI Design	All	Nov. 15
User notification	All	Nov. 17
Aggregation with GROUP BY	Hansel	
Aggregation with HAVING	Jessica	
Nested Aggregation with GROUP BY	Hansel, Jeff	Nov. 20
Add Basic GUI Components	All	
DIVISION	Jessica, Hansel	
User-friendliness	All	
User-friendly query results	All	Nov. 24
Drop, Recreate, and Reload Tables	All	
Error handling	All	
Sanitation	All	Nov. 25
Completed GUI	All	
Citations	All	Nov. 28
Milestone 4 PDF File	All	
Evaluation Canvas Quiz	All	Nov. 29
Milestone 5 Time Slot Sign Up	All	Once time slots are available
Demo Preparation Group Meeting	All	Dec. 1
Milestone 5 Demo	All	date TBA