﻿CMPUT 291/Fall 2024 – Mini Project1 Evaluation

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TA: Harvey Ngoe Kolle Date : 22 November 2024

Demo Mark: 84/ 84

Report Mark: 12 / 12

Group Cooperation Mark: 4/ 4

Bonus for self-assessment: 5 /5

Total Mark: 105/ 100

On-time [T/F] : T

If the code is changed, the number of edits [5 edits maximum]:

Penalty [5 points per edit] :

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Github Repo Name: assignment-3-database-experts

Member 1 Name: Vero Bullis CCID: ebullis

Member 2 Name: Victor Kwok CCID: tinhangv

Member 3 Name: krish Rajani CCID: krajani

Member 4: Name: Taranveer Purewal CCID: tpurewal

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1. Login Screen [12/12 points]

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(a) Sign up

Unregistered user signs up with user name: newusr, email: usr@email.com, phone: 1234567890, pwd: aa

[2/2 points] Sign-up is successful with proper usr (ID) generated. Check the users table (1pt)

Record (usr, 'newusr', 'usr@email.com', 1234567890, 'aa') is inserted (1pt)

[1/1 point] An appropriate operation menu is displayed after a successful signup.

(b) Sign in

Registered user logs in with usr: 0, password: a

[2/2 points] Fail to log in since the usr does not exist

Registered user logs in with usr: 1, password: err

[2/2 points] Fail to log in due to a wrong password

Registered user logs in with usr: 1, password: aaa, username = usr101

[1/1 points] Log in the system successfully.

[2/2 points] The first five latest tweets or retweets are displayed (the output format does not matter in all steps), and the results are ordered based on date from the latest to the oldest.

('Tweet', 10201, 2, 'tweet1 of usr101 followee', '21-AUG-2024', '10:34:00')

('Tweet', 10202, 2, 'tweet2 of usr101 followee', '20-AUG-2024', '10:33:00')

('Tweet', 10203, 2, 'tweet3 of usr101 followee', '19-AUG-2024', '10:32:00')

('Tweet', 10301, 3, 'tweet4 of usr101 followee', '18-AUG-2024', '10:31:00')

('Tweet', 10302, 3, 'tweet5 of usr101 followee', '17-AUG-2024', '10:30:00')

[2/2 points] Choose the option to see five more tweets or retweets. Results are correctly displayed and ordered based on date from the latest to the oldest.

('Tweet', 10303, 3, 'tweet6 of usr101 followee', '16-AUG-2024', '09:30:00')

('Retweet', 10401, 3, 'retweet7 of usr101 followee', '15-AUG-2024', None)

('Retweet', 10402, 3, 'retweet8 of usr101 followee', '14-AUG-2024', None)

('Tweet', 10304, 3, 'tweet9 of usr101 followee', '13-AUG-2024', '09:31:00')

('Retweet', 10403, 2, 'retweet10 of usr101 followee', '12-AUG-2024', None)

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2 Search for Tweets [ 30/30 points]

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(a) Search for “#toronto”

(The keyword has the prefix # and it is mentioned by the tweet as a hashtag.)

[3/3 points] Tweets are listed as follows (2pt) and are correctly ordered based on date (latest to oldest) (1pt).

(10701, 7, 'tweet2 with keyword #Toronto', '15-AUG-2024', '17:00:00')

(10702, 7, 'tweet3 with keyword #toronto', '14-AUG-2024', '17:00:00')

(10703, 7, 'tweet4 with keyword #ToRonto', '13-AUG-2024', '17:00:00')

(10704, 7, 'tweet5 with keyword #ToRONTO', '12-AUG-2024', '17:00:00')

(10705, 7, 'tweet6 with keyword #ToROnto', '11-AUG-2024', '17:00:00')

(b) Search for “Calgary”

(The keyword doesn't have the prefix # and it appears in the tweet text.)

[3/3 points] The first five tweets are listed as follows (2 pt) and are correctly ordered (1pt).

(10801, 8, 'tweet7 with keyword #calgary', '10-AUG-2024', '17:00:00')

(10802, 8, 'tweet8 with keyword #Calgary', '09-AUG-2024', '17:00:00')

(10803, 8, 'tweet9 with text calgary and #housing', '08-AUG-2024', '17:00:00')

(10804, 8, 'tweet10 with text calgary', '07-AUG-2024', '17:00:00')

(10805, 8, 'Tweet11 with text CALGARY #riots', '06-AUG-2024', '17:00:00')

[2/2 points] Choose the option to see five more tweets or retweets; the results are listed as follows (1pt) and are correctly ordered (1pt).

(10806, 8, 'tweet12 with text calgary #police', '05-AUG-2024', '17:00:00')

(10809, 8, 'tweet13 with text calgary', '02-AUG-2024', '17:00:00')

(c) Select tweet7(tid=10801) and see its statistics

(The user should be able to see the statistics about the matched tweet.)

[2/2 points] Number of retweets: 2 (1pt), Number of replies: 3 (1pt)

(d) Reply to tweet7(tid=10801) with text “reply tweet7”

(The user should be able to reply the matched tweet)

[3/3 points] Check the tweets table.

Record (new\_tid, 1, 'reply tweet7', date, time, 10801) is inserted (1pt)

with proper new\_tid (1pt)

and a correct date (1pt).

(e) Search for “#calgary”, “#housing”, “#police”

(Multi-keyword search; all keywords have the prefix #)

[3/3 points] The following tweets are retrieved (2.5pts) and are correctly ordered (0.5pt).

(10801, 8, 'tweet7 with keyword #calgary', '10-AUG-2024', '17:00:00')

(10802, 8, 'tweet8 with keyword #Calgary', '09-AUG-2024', '17:00:00')

(10803, 8, 'tweet9 with text calgary and #housing', '08-AUG-2024', '17:00:00')

(10806, 8, 'tweet12 with text calgary #police', '05-AUG-2024', '17:00:00')

(f) Search for “calgary”, “riots”

(Keywords do not have the prefix #)

[6/6 points] The following tweets are retrieved (4pts) and are correctly ordered (1pt).

5 tweets should be shown

(10801, 8, 'tweet7 with keyword #calgary', '10-AUG-2024', '17:00:00')

(10802, 8, 'tweet8 with keyword #Calgary', '09-AUG-2024', '17:00:00')

(10803, 8, 'tweet9 with text calgary and #housing', '08-AUG-2024', '17:00:00')

(10804, 8, 'tweet10 with text calgary', '07-AUG-2024', '17:00:00')

(10805, 8, 'Tweet11 with text CALGARY #riots', '06-AUG-2024', '17:00:00')

Click to see more (1pt)

(10806, 8, 'tweet12 with text calgary #police', '05-AUG-2024', '17:00:00')

(10809, 8, 'tweet13 with text calgary', '02-AUG-2024', '17:00:00')

(g) Search for “Calgary”, “RioTS”

(Case-insensitive matches)

[4/4 points] The following tweets are retrieved (2.5pts) and are correctly ordered (0.5pt)

5 tweets should be shown

(10801, 8, 'tweet7 with keyword #calgary', '10-AUG-2024', '17:00:00')

(10802, 8, 'tweet8 with keyword #Calgary', '09-AUG-2024', '17:00:00')

(10803, 8, 'tweet9 with text calgary and #housing', '08-AUG-2024', '17:00:00')

(10804, 8, 'tweet10 with text calgary', '07-AUG-2024', '17:00:00')

(10805, 8, 'Tweet11 with text CALGARY #riots', '06-AUG-2024', '17:00:00')

Click to see more (1pt)

(10806, 8, 'tweet12 with text calgary #police', '05-AUG-2024', '17:00:00')

(10809, 8, 'tweet13 with text calgary', '02-AUG-2024', '17:00:00')

(h) Search for “calgary”, “#housing”, “#police”

(Some keywords have the prefix #, while others do not.)

[4/4 points] The following tweets are retrieved (2.5pts) and are correctly ordered (0.5pt).

5 tweets should be shown

(10801, 8, 'tweet7 with keyword #calgary', '10-AUG-2024', '17:00:00')

(10802, 8, 'tweet8 with keyword #Calgary', '09-AUG-2024', '17:00:00')

(10803, 8, 'tweet9 with text calgary and #housing', '08-AUG-2024', '17:00:00')

(10804, 8, 'tweet10 with text calgary', '07-AUG-2024', '17:00:00')

(10805, 8, 'Tweet11 with text CALGARY #riots', '06-AUG-2024', '17:00:00')

Click to see more (1pt)

(10806, 8, 'tweet12 with text calgary #police', '05-AUG-2024', '17:00:00')

(10809, 8, 'tweet13 with text calgary', '02-AUG-2024', '17:00:00')

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3: Search for Users [ 13/13 points]

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(a) Search for user by typing “LMAO”

(The keyword exists only in the user name.)

[3/3 points] The following users are retrieved (2pt) and are correctly ordered (1pt).

(1 pt if only the user “20 LMAO” is printed)

usr name

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20 LMAO

21 usr121LMAO

22 usr122LMAO1

23 usr123LMAO12

24 usr123LMAO123

(b) Choose the option to see more users

[2/2 points] The following users are retrieved (1.5pt) and are correctly ordered (0.5pt).

usr name

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25 usr123LMAO1234

26 usr123LMAO12345

27 usr123LMAO123456

(c) Case-insensitivity of the searches

[2/2 points] A search for “lmao” returns the same result as the one in 3a and 3b.

(d) Select the user (usr=23, name=usr123LMAO12) for more information

[4/4 points] Number of tweets: 4 (1pt), number of users being followed: 4 (1pt), number of followers: 2 (1pt) Three most recent tweets are as listed next (1pt).

(12304, 'tweet4 of usr123', '10-SEP-2024', '22:00:00')

(12303, 'tweet3 of usr123', '09-SEP-2024', '22:00:00')

(12302, 'tweet2 of usr123', '08-SEP-2024', '22:00:00')

(e) Choose the option to follow the selected user (user=23, name=usr123LMAO12)

(there is an option to follow a selected user)

[2/2 points] Check the follows table. Record (1, 23, CurrentDate) is inserted (1pt), and start\_date is correctly set (1pt).

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4: Compose a tweet [ 8/8 points]

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(a) Compose a tweet “tweet no tag”

(The user should be able to compose a simple tweet)

[4/4 points] Check the tweets table.

Record (new\_tid, 1, 'tweet no tag', CurrentDate, CurrentTime, null) is inserted (2pt)

proper new\_tid is generated (1pt)

A correct reply to is generated [should be null] (1pt).

(b) Compose the tweet “tweet #cmput #cool1”

[2/2 points] Check the tweets table.

Record (new\_tid, 1, 'tweet #cmput #cool1', CurrentDate, CurrentTime, null) is inserted.

[2/2 points] Check the hashtag\_mentions table.

Records (new\_tid, #cmput), (new\_id, #cool1') are inserted. (1pt each)

**No points** if Records (new\_tid, cmput), (new\_id, cool1') are inserted.

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5: List followers [ 6/6 points]

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(a) List all followers who follow usr=1

[2/2 points] The following results are displayed.

usr name

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(12, '112follow101')

(13, '113follow101')

(14, '114follow101')

(15, '115follow101')

(b) Select the follower (usr = 15, name=115follow101) and see more information about the follower

[4/4 points] Number of tweets: 5 (1pt), Number of users being followed: 4 (1pt), Number of followers: 3 (1pt), Three most recent tweets are as follows (1pt)

(11505, 'tweet5 of usr115', '11-SEP-2024', '23:00:00')

(11504, 'tweet4 of usr115', '10-SEP-2024', '23:00:00')

(11503, 'tweet3 of usr115', '09-SEP-2024', '23:00:00')

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6: [2/2 points] Log out from the account

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7: [1/1 point] Exit the program

Exit the program on the login screen.

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7: Others [12/12 points]

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[3/3 points] SQL injection attacks are prevented

Eg: password or 1 = 1

[3/3 points] The Program properly guides the users to perform the tasks [ Should be done using meaningful printed texts so that there exists no confusion or ambiguity during the demo]

[6/6 points] The system terminates only if the user explicitly chooses to do so (deduct 2 marks for each inappropriate termination)

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Reports [12/12 points]

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[3/3 points] General overview of the system with a small user guide

[3/3 points] A detailed design of the software with a focus on the components required to deliver the major functions of the application

[3/3 points] Testing strategy

[3/3 points] Source code quality. Easy to read and properly commented code, i.e., use of header comments and comments for non-trivial SQL Statements.

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Group Cooperation [4/4 points]

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[1/1 point] the project break-down between partners is well-explained

[1/1 point] the allocated time, progress and spent time for tasks is stated.

[1/1 point] the person responsible for each task is stated

[1/1 point] the method of coordination is discussed

OTHER COMMENTS

(This is important in case the instructor, who will not see the actual demos, needs to make a decision regarding a possible appeal)

* Great display of results
* Well-written report with detailed steps
* Code well organized and separated into functions for each task.