CPSC 304 Project Cover Page

Milestone # : 4

Date : Apr 5, 2024

Group Number: 22

Name	Student Number	CS Alias (Userid)	Preferred E-mail Address				
Matthew Wu	36535664	d7a3b	matthew6086888@hotmail.com				
Allya Wellyanto	47113238	k3q9c	allwelly@student.ubc.ca				
Siddarth	68727171	s3t4n	siddarth.2400@gmail.com				

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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2. SQL setup

Note that we are using MySQL for this project. We have created a SQL script that does the following:

- Drop all tables relevant to our application (eg. get rid of all data)
- Create all tables relevant to our application
- Insert sample data into the database

This file is located in sql/init_db.sql

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3.a: A short description of the final project, and what it accomplished.

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.

3.b: How does your final schema differ from your original schema? Why did you make these changes?

We renamed the following tables, so their names would be more interpretable:

Before	After
Game_R2	Game_Season
Game_R3	Game
Game_R4	Game_Tournament
Player_R2	Player_region
Player_R3	Player
Player_R4	Player_Country
Round_R2	Round_Type
Round_R1	Round

We also added a "net balance" attribute to the players table, to keep track of each player's net earnings/losses.

We had to rename the "Action" table to "Actions", because "Action" was a reserved keyword in MYSQL

3.C: A copy of the schema, and screenshots of each table after running the SQL setup script

```
Card(
      id: INTEGER UNIQUE,
      value: INTEGER NOT NULL,
      suite: CHAR(1) NOT NULL)
Hole Cards(
      id: INTEGER UNIQUE,
      match id: INTEGER,
      player id: INTEGER,
      card1: INTEGER NOT NULL,
      card2: INTEGER NOT NULL)
Round(
      id: INTEGER UNIQUE,
      round number: INTEGER NOT NULL,
      match id: INTEGER NOT NULL,
      round type: TEXT NOT NULL,
      pot size: FLOAT NOT NULL,
      card1 id: INTEGER,
      card2_id: INTEGER,
      card3_id: INTEGER,)
Actions(
      id: INTEGER UNIQUE,
      action number: INTEGER NOT NULL,
      round id: INTEGER NOT NULL,
      action type: TEXT NOT NULL,
      amount: FLOAT,
      ending_balance: FLOAT NOT NULL,
      player_id: INTEGER NOT NULL)
Match(
      id: INTEGER UNIQUE,
      match number: INTEGER NOT NULL,
      game_id: INTEGER NOT NULL)
Game(
      id: INTEGER,
      date: DATE,
```

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```
season_number: INTEGER,
in_tournament: BOOLEAN,
tournament_id: INTEGER)

Player(
        id: INTEGER,
        name: TEXT,
        home_country: TEXT,
        poker_region: TEXT
        net_winnings: FLOAT)

Buy_in_cash_out(
        id: INTEGER,
        action_type: INTEGER NOT NULL,
        amount: FLOAT NOT NULL,
        match_id: INTEGER NOT NULL)
```

Here is a screenshot of each relation after running our database setup script:

Action:

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[mysql>	SELECT * from Ac	ction ORDER	BY id ASC;			
id	action_number	round_id	player_id	action_type	amount	ending_balance
1	1	1	1	Call	50	450
2	2	1	2	Raise	100	900
3	3	1	3	Fold	0	1500
4	4	1	4	Call	100	600
5	5	1	5	Call	100	400
6	1	2	1	Check	0	450
7	2	2	2	Bet	200	700
8	3	2	4	Fold	0	600
9	4	2	5	Call	200	200
10	1	3	1	Check	0	450
11	2	3	2	Bet	300	400
12	3	3	5	Fold	0	200
13	1	4	6	Raise	100	900
14	2	4	7	Call	100	900
15	3	4	8	Fold	0	1000
16	4	4	9	Call	100	900
17	5	4	10	Call	100	900
18	1	5	6	Check	0	900
19	2	5	7	Bet	200	700
20	3	5	9	Call	200	700
21	4	5	10	Fold	0	900
22	1	6	6	Check	0	900
23	2	6	7	Check	0	700
24	3	6	9	Check	0	700
25	1	7	6	Bet	300	600
26	2	7	7	Fold	0	700
27	3	7	9	Call	300	400
28	1	8	1	Call	50	450
29	2	8	2	Raise	150	850
30	3	8	3	Call	150	850
31	4	8	4	Fold	0	1000
32	5	8	5	Call	150	350
33	6	8	6	Fold	0	1000
34	1	9	1	Check	0	450
35	2	9	2	Bet	200	650
36	3	9	3	Fold	0	850
37	4	9	5	Call	200	150
38	1	10	1	Bet	150	300
39	2	10	2	Call	150	500
40	3	10	5	Fold	0	150
41	1	11	1	Check	0	300
42	2	11	2	Check	0	500
43	1	12	7	Raise	100	900
44	2	12	8	Call	100	900
45	3	12	9	Fold	0	1000
46	4	12	10	Call	100	900
47	5	12	1	Call	100	400
48	1	13	7	Check	0	900

Buy_in_cash_out:

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[mysql>	SELECT * from	Buy_in_c	cash_out ORD	DER BY id ASC;
id	action_type	amount	match_id	player_id
i 1 i	1	1000	1	1
2	1	1000	1	2
3	1	1000	1	3
4	1	1000	1	4
5	1	1000	1	5
6	1	1000	2	6
7	1	1000	2	7
8	1	1000	2	8
9	1	1000	2	9
10	1	1000	2	10
11	2	1600	3	1
12	2	700	3	2
13	2	850	3	3
14	2	1300	3	4
15	2	800	3	5
16	2	750	3	6
17	2	500	4	7
18	2	1500	4	8
19	2	950	4	9
20	2	1000	4	10
21	2	50	4	1
++			·	+
21 row	s in set (0.00	sec)		

Card:

]	mysql>	SELECT	* from	Card	ORDER	ВΥ	id	ASC;
	id	value	suite	İ				
	1	1	D	i				
	2	1	C	i				
	3	1	H	i				
	4	1	S	i				
	5	2	D	i				
	6	2	С	i				
	7	2	Н	i				
	i 8 i	2	S	i				
	9	3	D	i				
	10	3	С	i				
	11	3	Н	i				
	12	3	S	i				
	13	4	D	i i				
	14	4	С	i i				
	15	4	Н	i i				
	16	4	S	Ĺ				
	17	5	D	1				
	18	5	C	1				
	19	5	H	1				
	20	5	S	1				
	21	6	D	1				
	22	6	C	1				
	23	6	Н	1				
	24	6	S	1				
	25	7	D					
	26	7	C					
	27	7	Н					
	28	7	S					
	29	8	D	ļ				
	20	0	\sim					

Game:

Game_Season:

```
[mysql> SELECT * from Game_Season ORDER BY date ASC;
  date
               season_number
  2023-01-01
                           23
  2023-02-02
                           23
  2023-03-03
                           23
  2023-04-04
                           23
  2023-05-05
                           23
  2023-06-06
                           23
  2023-07-07
                           24
  2023-08-08
                           24
8 rows in set (0.00 sec)
```

Game tournament:

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```
[mysql> SELECT * from Game_Tournament ORDER BY date ASC;
               in_tournament | tournament_id |
  date
  2023-01-01
                                          101
                           1
  2023-02-02
                           0
                                         NULL
  2023-03-03
                                          103
                           1
  2023-04-04
                                          104
                           1
  2023-05-05
                                         NULL
                           0
  2023-06-06
                           1
                                          105
  2023-07-07
                           0
                                         NULL
  2023-08-08
                                          106
                           1
8 rows in set (0.00 sec)
```

Hole_Cards:

[mysql> SELECT * from Hole_Cards ORDER BY id ASC;								
+	+	 player_id		 card2	·+			
+	acc _1u 	prayer_ru 		Caruz +	 -			
1	1	1	1	14	1			
2	1	2	28	41	1			
3	1	3	4	17	!			
4	1	4	31	44	!			
5	1	5	7	20	!			
6	2	6 7	2	15				
7 8	2 2	, 8	29 5	42 18	}			
0	2	9	32	16 45	}			
10	2	10	8	21				
11	3	10 1	3	16				
12	3	2	30	43				
13	3	3	6	19				
14	3	4	33	46	i			
15	3	5	9	22	i			
16	3	6	34	47	į			
17	4	7	10	23	i			
18	4	8	35	48	İ			
19	4	9	12	25	İ			
20	4	10	49	2	Ì			
21	4	1	13	26	1			
22	5	3	1	13				
23	5	4	2	14	ļ			
24	5	5	3	15	ļ			
25	5	6	4	16				
26	5	7	5	17				
27	6	8	6	18	!			
28	6	9	7	19				
29	6	10	8	20				
30 31	6 6	1 2	9 10	21 22				
32	7	8	23	37				
33	7	9	24	38				
34	7	10	25	39				
35	7	1	26	40				
36	7	2	27	41				
37	8	3	28	42				
38	8	4	29	43				
39	8	5	30	44				
40	8	6	31	45				
41	8	7	32	46				
42	8	8	33	47				
43	9	9	34	48				

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Matches:

```
[mysql> SELECT * from Matches ORDER BY id ASC;
  id | match_number | game_id |
   1
                   1
   2
                   2
                              1
   3
                   3
                              2
   4
                              2
   5
                   5
                              3
   6
                              3
                   6
   7
                   7
                              4
   8
                   8
                              4
   9
                   9
                              5
                              5
  10
                  10
  11
                  11
                              6
  12
                  12
                              6
                  13
  13
                              7
                              7
  14
                  14
  15
                  15
                              8
                  16 |
  16 |
                              8
16 rows in set (0.01 sec)
```

Player:

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```
[mysql> SELECT * from Player ORDER BY id ASC;
                              net_winnings
  id
        name
        John Doe
                                        650
   1
   2
       Jane Smith
                                       -300
   3
                                       -150
      | Pierre Dupont
   4
      Max Mustermann
                                        300
   5
      l Ana Souza
                                       -200
   6
      | Giovanni Rossi
                                       -250
   7
      | Carlos Hernandez
                                       -500
   8
      l Takumi Tanaka
                                        500
   9
      | Isabella Brown
                                        -50
  10
      | Alejandro Martinez
                                          0
10 rows in set (0.00 sec)
```

Player Country:

```
[mysql> SELECT * from Player_Country ORDER BY id ASC;
  id | home_country
       USA
   2
      Canada
   3
       France
       Germany
       Brazil
   5
       Italy
       Spain
       Mexico
   8
       Japan
     | Australia
  10
10 rows in set (0.00 sec)
```

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Player_Region:

```
[mysql> SELECT * from Player_Region;
| home_country | poker_region
| Australia | Oceania
| Brazil
               | South America
               | North America
Canada
France
               | Europe
Germany
               | Europe
| Italy
               | Europe
 Japan
               | Asia
Mexico
               | North America
  Spain
               | Europe
               | North America
  USA
10 rows in set (0.00 sec)
```

Round:

[mysql>	· SELECT * from	Round ORDER	R BY id ASC;	;		
id	round_number	match_id	pot_size	card1_id	card2_id	card3_id
1 1	1	1	300	12	7	33
i 2	2	1	600	21	1	52
j 3 j	3	1	900	45	11	23
lj 4 i	1	2	200	3	28	17
j 5 i	2	2	400	19	20	6
	3	2	600	9	15	31
	4	2	800	42	37	5
8	1	3	500	8	46	29
9	2	3	900	10	48	2
10	3	3	1300	24	35	50
11	4	3	1700	14	22	41
12	1	4	350	18	4	34
13	2	4	650	26	38	13
14	3	4	950	47	30	44
15	1	5	250	17	34	39
16	2	5	450	28	14	35
17	3	5	650	49	47	45
18	4	5	850	13	46	20
19	1	6	550	26	43	42
20	2	6	850	24	29	34
21	3	6	1150	29	8	16
22	4	6	1450	15	5	22
23	1	7	300	2	38	36
24	2	7	600	15	38	1
25	3	7	900	5	46	41
26	4	7	1200	4	15	5
27	1	8	400	3	22	5
28	2	8	700	33	16	18
29	3	8	1000	43	32	14
30	4	8	1300	35	9	47
31	1	9	500	37	31	16
32	2	9	800	51	31	52
33	3	9	1100	27	13	7
34	4	9	1400	7	43	28
35	1	10	350	23	28	27
36	2	10	650	30	47	4
37	3	10	950	44	42	7
38	4	10	1250	4	26	47
39	1	11	450	22	52	7
40	2	11	750	16	13	35
41	3	11	1050	29	9	28
42	4	11	1350	12	18	30
43	1	12	300	16	5	29
44	2	12	600	52	36	7
45	3	12	900	4	42	35
46	4	12	1200	1	6	49
47	1	13	500	16	11	27
48	2	13	850	32	31	14

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Round_Type:

```
[mysql> SELECT * from Round_Type;
+-----+
| round_number | round_type |
+-----+
| 1 | Pre-flop |
| 2 | Flop |
| 3 | Turn |
| 4 | River |
+-----+
4 rows in set (0.00 sec)
```

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3.d

List of all SQL queries, and where it can be found in the code All SQL queries are executed on our API server (implemented with PyFlask). The server code is stored at "pyflask/__init__.py". Here

Line #	Query
New Section	Games API
72	<pre>INSERT INTO Game_Season (date, season_number) VALUES (%s, %s) ON DUPLICATE KEY UPDATE season_number = VALUES(season_number)</pre>
84	INSERT INTO Game (date) VALUES (%s)
97	<pre>INSERT INTO Game_Tournament (date, in_tournament, tournament_id) VALUES (%s, %s, %s) ON DUPLICATE KEY UPDATE in_tournament = VALUES(in_tournament), tournament_id = VALUES(tournament_id)</pre>
122	DELETE FROM Game WHERE id = %s
150	<pre>INSERT INTO Buy_in_cash_out (action_type, amount, match_id, player_id) VALUES (%s, %s, (SELECT id FROM Matches WHERE game_id = %s ORDER BY match_number DESC LIMIT 1), %s)</pre>
160	SELECT net_winnings FROM Player WHERE id = %s
195	<pre>INSERT INTO Buy_in_cash_out (action_type, amount, match_id, player_id) VALUES (%s, %s, (SELECT id FROM Matches WHERE game_id = %s ORDER BY match_number DESC LIMIT 1), %s)</pre>
205	SELECT net_winnings FROM Player WHERE id = %s
245	SELECT MAX(match_number) FROM Matches WHERE game_id = %s

```
INSERT INTO Matches (match number, game id) VALUES (%s,
253
          DELETE FROM Matches WHERE game id = %s ORDER BY
292
          match number DESC LIMIT 1
          SELECT m.match number, m.id
314
            FROM matches m
            WHERE m.game_id = %s
            ORDER BY m.match number DESC
            LIMIT 1
          SELECT r.round number
325
            INNER JOIN matches m ON r.match id = m.id
            WHERE m.id = %s
            ORDER BY r.round number DESC
            LIMIT 1
            INSERT INTO round (round number, match id, pot size,
345
          card1 id, card2 id, card3 id) VALUES (%s, %s, %s, %s,
          INSERT INTO action
353
                 (action number, round id, player id,
          action type, amount, ending balance)
                VALUES {", ".join(["(%s, %s, %s, %s, %s, %s)"] *
          len(actions))}
          SELECT r.id, r.round number, m.id, m.match number
377
            FROM round r
            INNER JOIN matches m ON r.match id = m.id
            WHERE m.game id = %s
            ORDER BY m.match number DESC, r.round number DESC
            LIMIT 1
```

394	DELETE FROM round WHERE round.id = %s
New Section	Replay API
424	SELECT g.id AS game_id, g.date, gs.season_number, gt.in_tournament, gt.tournament_id FROM Game g INNER JOIN Game_Season gs ON g.date = gs.date LEFT JOIN Game_Tournament gt ON g.date = gt.date LIMIT %s OFFSET %s
464	SELECT m.id, m.match_number, m.game_id FROM Matches m WHERE m.game_id = %s ORDER BY m.match_number ASC LIMIT %s OFFSET %s
500	SELECT c.id, c.value, c.suite FROM card c
507	SELECT r.round_number, r.card1_id, r.card2_id, r.card3_id, r.pot_size FROM round r WHERE r.match_id = %s ORDER BY r.round_number ASC LIMIT %s OFFSET %s
517	SELECT r.round_number, r.card1_id, r.card2_id, r.card3_id, r.pot_size FROM round r INNER JOIN matches m ON m.id = r.match_id WHERE m.game_id = %s AND m.match_number = %s ORDER BY r.round_number ASC LIMIT %s OFFSET %s
568	SELECT DISTINCT g.id AS game_id, g.date, gs.season_number, gt.in_tournament, gt.tournament_id FROM Game g JOIN Matches m ON g.id = m.game_id LEFT JOIN Hole_Cards hc ON m.id = hc.match_id JOIN Game_Season gs ON g.date = gs.date LEFT JOIN Game_Tournament gt ON g.date = gt.date WHERE hc.player_id = %s ORDER BY g.date ASC LIMIT %s OFFSET %s

New Section	Admin API
607	<pre>INSERT INTO player (name, net_winnings) VALUES (%s, %s)</pre>
612	<pre>INSERT INTO player_country (id, home_country) VALUES (%s, %s)</pre>
616	INSERT INTO player_region (id, region) VALUES (%s, %s)
631	DELETE FROM player WHERE id=%s
651	UPDATE player SET name=%s, net_winnings=%s WHERE id=%s
655	UPDATE player SET name=%s WHERE id=%s
659	UPDATE player SET net_winnings=%s WHERE id=%s
664	UPDATE player_country SET country=%s WHERE id=%s
669	UPDATE player_region SET region=%s WHERE id=%s
687	game.id AS game_id, COUNT(action.id) AS 'n_of_actions', SUM(action.action_type = 'fold') AS 'n_of_folds', SUM(action.action_type = 'check') AS 'n_of_checks', SUM(action.action_type = 'call') AS 'n_of_call', SUM(action.action_type = 'raise') AS 'n_of_raises', AVG(CASE WHEN action.action_type = 'raise' THEN action.amount END) AS 'avg_raise_size' FROM game INNER JOIN matches ON game.id = matches.game_id INNER JOIN round ON round.match_id = matches.id INNER JOIN action ON action.round_id = round.id INNER JOIN buy_in_cash_out ON

```
buy in cash out.match id = matches.id
            WHERE
                buy_in_cash_out.player_id = %s AND
                game.date >= %s AND
                game.date <= %s</pre>
            GROUP BY game.id;
          SELECT DISTINCT p.id, p.name, pc.home_country,
728
          pr.poker region, p.net winnings
            FROM player p
            INNER JOIN player country pc ON pc.id = p.id
            INNER JOIN player region pr ON pc.home country =
          pr.home country
            WHERE NOT EXISTS (
                    SELECT game.id
                    FROM game
                    WHERE game.id IN ({', '.join(['%s'] *
          len(game_ids))})
                EXCEPT
                    SELECT game.id
                    FROM buy_in_cash_out bico
                     INNER JOIN matches ON matches.id =
         bico.match id
                    INNER JOIN game ON matches.game id = game.id
                    WHERE bico.player id = p.id AND
                        game.id IN ({', '.join(['%s'] *
          len(game ids))})
          SELECT
774
```

```
gs.season number AS season number,
          COUNT(g.id) AS n_games,
          AVG(r.pot_size) AS avg_pot_size,
          MAX(r.pot size) AS max pot size
      FROM Game g
      INNER JOIN game season gs ON g.date = gs.date
      INNER JOIN matches m ON m.game_id = g.id
      INNER JOIN round r ON r.match id = m.id
      INNER JOIN buy in cash out bico ON bico.match id
= m.id
      {"WHERE gs.season number IN (%s)" if seasons
else "WHERE gs.season number NOT IN (%s)"}
      GROUP BY gs.season number
      HAVING COUNT(bico.player id) > %s AND
          AVG(r.pot size) > %s AND
          MAX(r.pot size) > %s
```

3.e

Screenshots of all SQL queries:

• Before: Screenshot of table before

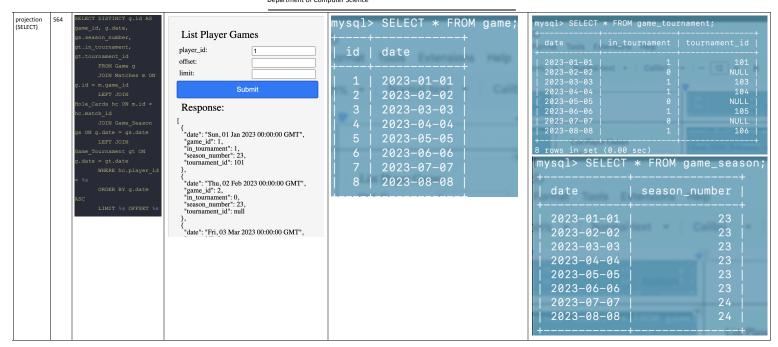
• During: Screenshot of the GUI that triggers the query

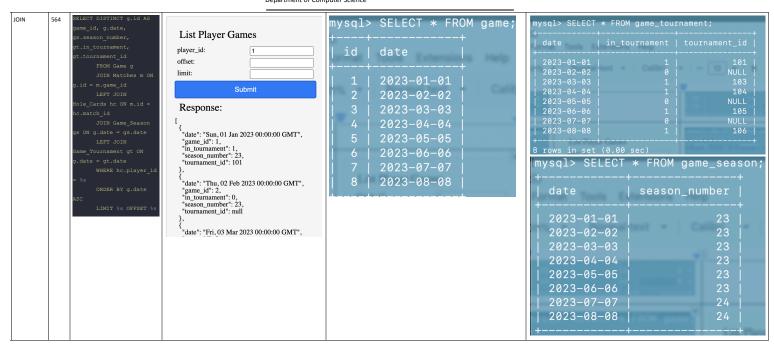
• After: Screenshot of table after the query

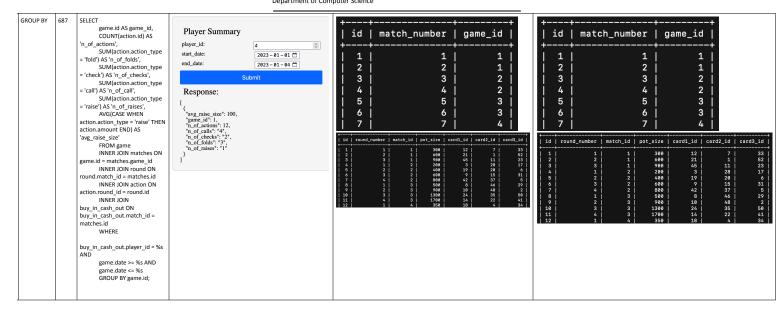
We only need to do this once per query type (eg. only need to show INSERT once). All the sql code is in pyflask/__init__.py

Query Type	Line #	Query	GUI screenshot	Before Screenshot	After screenshot				
UPDATE	651, 655, 659, 664, 669	DEPATE player SET namewis, net_winnings=\s WHERE id=\s UPDATE player SET name-\ts MHERE id=\s SPRATE player SET act_winnings=\s WHERE id=\s UPDATE player_country SET country=\ts WHERE id=\s SPRATE player_country SET region=\ts WHERE id=\s	Edit Player player_id: name: Kyle Smith North America net_winnings: 500 Submit Response: { *player_id** '*2* }	mysql> SELECT * from Player ORDER BY id ASC; id name	mysql> SELECT * from Player ORDER BY id ASC;				

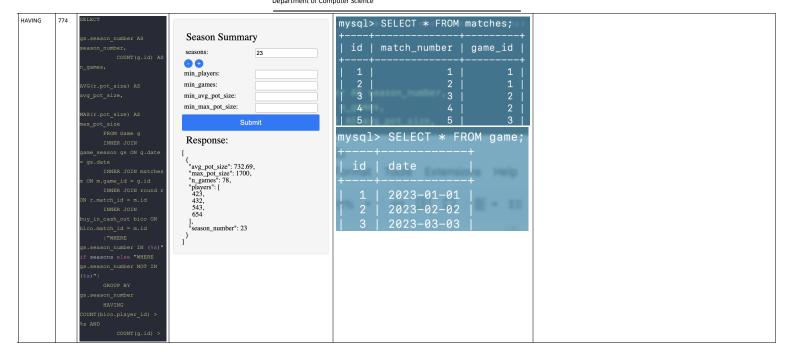




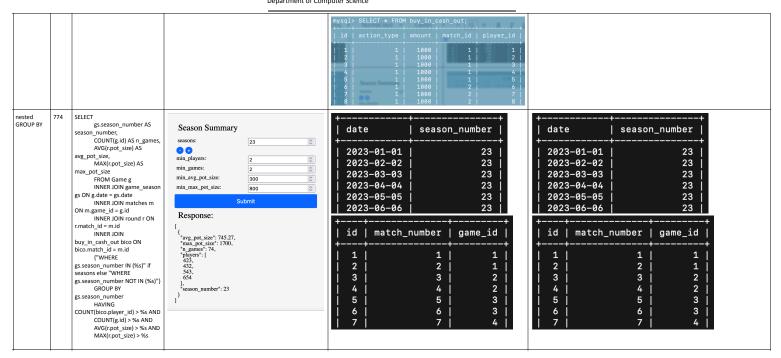




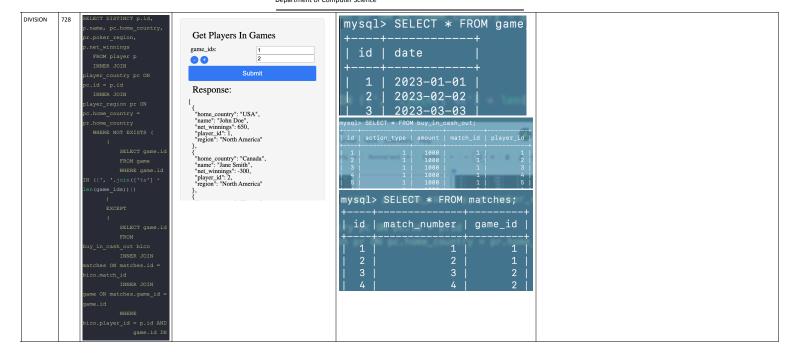
 1											
	id act	ion_number round_id	player_id act	ion_type amount	t ending_balance	id a	ction_number round_id	player_id	action_type	amount	ending_balance
	1 1 2 3	1 1 2 1 3 1	1 Cal 2 Rai 3 Fol	se 106	9 908	1 1	1 1 1 2 1	1 1	Call Raise	50 100	450 900
	5	4 1 1	4 Cal	1 100	8 608	3 4	3 1] 3 [Fold Call	9	1500 600
	6 7	1 2 2 2 3 2	1 Che 2 Bet	200	8 458 8 708	5	5 1 1 2 2 2	5	Call Check	100	400 450
	8 9 10	3 2 4 2 1 3	5 Cal	1 200	8 608	7	2 2 2 3 2	2	Bet Fold	200	700 600
	11	2 3 3 3	2 Bet 5 Fol	: j 306	8 498 8 208	j 9 j	4 2	j 5 j	Call j	200	200
	13	1 4 2 4	7 Cal	se 106	8 908 8 908	10	1 3 2 3 3 3	2	Check Bet	9 300	450 400
	12 13 14 15 16 17 18	2 3 3 3 1 4 4 4 5 5 5 4 5 5 4 5 5 6 6 6 6 6 6 6 6	9 Cal	1 100	8 1808 8 908	12	1 4	j 6 j	Fold Raise	0 100	200 900
	18	1 5 2 5	6 Che	ck 6	9 908 9 708	14	2 4 4	j 8 j	Call Fold	100	900 1000
	19 28 21 1 22 23 24 25 26 27	3 5 4 5	9 Cal 10 Fol		9 708 9 908	16	4 4 4	9	Call Call	100 100	900 900
	22	1 6 2 6 3 6 1 7	7 Che	ck j 6	9 908 9 708	18	1 5 2 5 3 5	6 7	Check Bet	200	900 700
	25	3 6 1 7 2 7		d 6	8 768 8 608 8 768	20	3 5 4 5	j 9 j	Call Fold	200	700 900
	27	2 7 3 7 1 8	9 Cal 1 Cal	1 306	8 408 8 458	22	1 j 6	j 6 j	Check Check	ė	900 700
	++-	+-			+	24	2 6 3 6 1 7	j 9 j	Check	0 300	700 600
	id	action_type	amount m	natch_id	player_id	26	2 7	j 7 j	Bet Fold	0	700 400
	1 1	1	1000	1	1	28	3 7 1 8		Call Call	300 50	460 450
	2	1	1000 1000	1	2 3	+	+		+	+	
	li 4 i	1	1000	1	4	id	action_type	amount	match_i	.d pl	ayer_id
	5	1	1000	1 2	5 6	1 1	1	1000	+ I	1	1
		1	1000	2	0 7	2	1	1000		1	2
	8	1	1000	2	8	3	j - 1	1000		1	3
	9	1	1000 1000	2 2	9 10	4	1	1000		1	4
	11	2	1600	3	1	5] 1	1000		1	5
	12	2 2	700 850	3 3	2 3	6 7	1 1 1	1000 1000		2 2	6 7
	14	2	1300	3	4	8		1000		2	8
						9	1	1000		2	9
						10	1	1000		2	10
						11	2	1600		3	1
						12	2	700		3	2
						13	2	850		3	3
						14	1 2 1	1300		3 I	4



%s AND	mysql> SELECT * FROM game_Seaso	
AVG(r.pot_size) > %s AND	+	
MAX(r.pot_size) > %s	date	•
	2023-01-01 23	í I
	2023-02-02 23	
	2023-03-03 23	
	2023-04-04 23	1
	2023-05-05 23	
	2023-06-06 23	
	2023-07-07 24 2023-08-08 24	
	2023-00-00 24	+
	mysql> SELECT * FROM round;	
	id round_number match_id pot_size card1_id card2_id card	erd3_id
	1 1 1 398 12 7 4 1 2 208 3 28 8 1 3 598 8 46 12 1 4 356 18 4	33 17 29
	12	34 39
	23 1 7 300 2 38	36 5
	27 1 8 466 3 22 2 1 31 1 9 566 37 31 35 1 10 556 23 28 39 1 11 456 22 52	
	43 1 12 300 16 5	29 27



T T T						
	id round_number match_id pot_size card1_id card2_id card3_id		round_number match_:			
	1	++ 1 2 3 4 5 6 7	2 3 1 2 3 4	1 300 1 600 1 900 2 200 2 400 2 600 2 800 3 500	21 45 3 19 9	7 33 1 52 11 23 28 17 20 6 15 31 37 5 46 29
	11		2 3	3 900 3 1300 3 1700 4 350	10 24 14 18	48 2 35 50 22 41 4 34
	2		1 1			1 2
	7	4 5 6	1 1 1 1	1000 1000 1000	1 1 2	4 5 6
	11	7 8 9 10	1 1 1 1	1000 1000 1000 1000	2 2 2 2	8 9
		11 12 13 14	2 2 2 2 1 2 2 2	1600 700 850 1300	3 3 3 3	2 3



({', '.join(['%s'] *		
len(game_ids)	(3)		
)			
);			

