

CPSC 304 Project Cover Page

Milestone #: 2

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Group Number: 50

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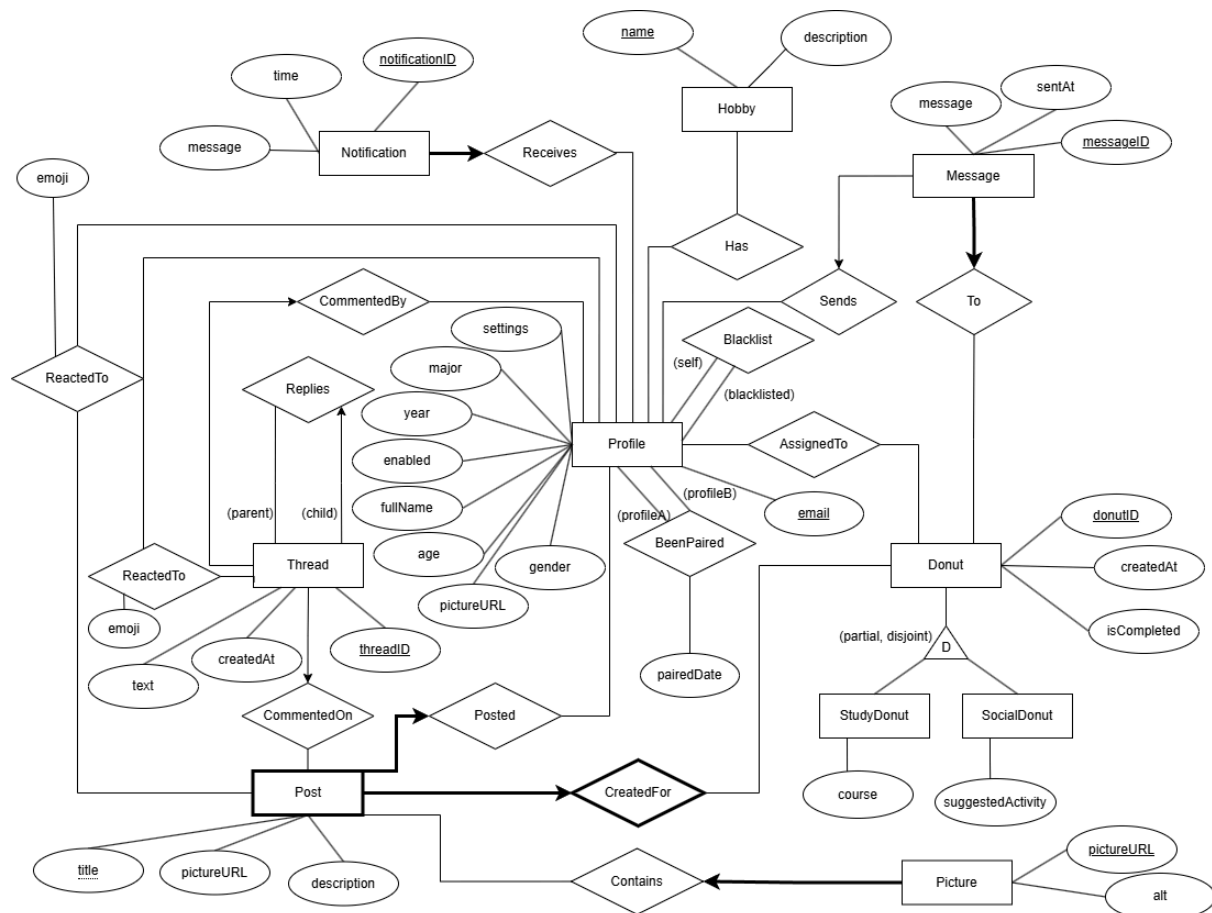
By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, 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 of Project (~ 2-3 sentences)

The domain of our application is social network/media. We will make an application for people to connect through regularly assigned hangouts, called Donut dates, which are paired based on similar attributes such as hobbies, major, etc. We'll be using the department provided DB, with a locally running server SSH tunneled into it (like the local ExpressJS guide from tutorial 2). Ideally our front-end will be a React PWA since we want our end users to receive push notification and our server will be in Node/ExpressJS—the setup will be similar to that from the tutorial as mentioned before.

ER Diagram



Changes from milestone 1:

- We made Post's weak entity to the Donut entity a many-to-one relationship. This enables each participant of the donut to make their own custom post. In the FE, we do intend to aggregate the post such that it's clear that the posts are of the same donut event.
 - Consequently, we added a one-to-many Posted relationship between Profile and Post, with Post's total participation required with Profile
- Removed total participation between Comment and CommentedBy: if a user deletes their profile, we don't want all their comments to also be deleted, we will just set the CommentedBy to NULL
- Renamed Comment to Thread, and commentID to threadID. Comment is a reserved keyword and we wanted to avoid any possibilities for weird bugs. Thread is also a more specific name for how our entity behaves (nestable/recursive, hierarchical)
- Added a "createdAt" attribute to Comment
- Profile attribute renames: Email → email, photoURL → pictureURL
- Post attribute rename: picture → pictureURL
- BeenPaired attribute renames: self → profileA, other → profileB, date → pairedDate
- Message attribute renames: value → message, timestamp → sentAt
- StudyDonut attribute rename: courseCode → course

Schema

```
Profile(  
    email: CHAR                PK,  
    pictureURL: CHAR,  
    gender: CHAR                NOT NULL,  
    age: INT                    NOT NULL,  
    fullName: CHAR              NOT NULL,  
    enabled: CHAR               NOT NULL,  
    year: INT                   NOT NULL,  
    major: CHAR                 NOT NULL,  
    settings: CHAR  
)  
BeenPaired(  
    profileA: CHAR              FK PK,  
    profileB: CHAR              FK PK,  
    pairedDate: DATE            NOT NULL  
)  
Donut(  
    donutID: CHAR                PK,  
    createdAt: DATE             NOT NULL,  
    isCompleted: CHAR           NOT NULL,  
    course: CHAR,  
    suggestedActivity: CHAR  
)  
AssignedTo(  
    donutID: CHAR                FK PK,  
    profile: CHAR                FK PK  
)  
Post(  
    donutID: CHAR                PK FK,  
    title: CHAR                  PK NOT NULL,  
    author: CHAR                 FK NOT NULL,  
    pictureURL: CHAR,  
    description: CHAR           NOT NULL  
)  
Picture(  
    pictureURL: CHAR              PK,  
    donutID: CHAR                FK NOT NULL,  
    title: CHAR                  FK NOT NULL,  
    alt: CHAR  
)  
Message(  
    messageID: CHAR              PK,  
    donutID: CHAR                FK,  
    sender: VARCHAR              FK,  
    message: CHAR               NOT NULL,  
    sentAt: DATE                NOT NULL  
)  
Hobby(  
    name: CHAR                   PK,  
    description: CHAR           NOT NULL
```

```

)
ProfileHobby(
    profile: CHAR          FK PK,
    hobby: CHAR            FK PK
)
Notification(
    notificationID: CHAR    PK,
    receiver: CHAR          FK NOT NULL,
    time: DATE              NOT NULL,
    message: CHAR           NOT NULL
)
PostReaction(
    profile: CHAR          PK FK,
    postID: CHAR           PK FK,
    emoji: CHAR             NOT NULL
)
Thread(
    threadID: CHAR         PK,
    author: CHAR           FK,
    parent: CHAR           FK,
    donutID: CHAR          FK NOT NULL,
    title: CHAR            FK NOT NULL,
    createdAt: DATE         NOT NULL,
    text: CHAR              NOT NULL
)
ThreadReaction(
    profile: CHAR          FK PK,
    threadID: CHAR        FK PK,
    emoji: CHAR             NOT NULL
)

```

Notes:

- The “ReactedTo” relations were named as “PostReaction” and “ThreadReaction”
- The “Sends” relation between Profile and Message was represented with “sender” attribute in Profile
- The “CommentedBy” relation between Thread and Profile was represented with the “author” attribute in Thread
- The “Receives” relation between Notification and Profile was represented with the “receiver” attribute in Profile
- The (new) “Posted” relation between Profile and Post was represented with the “author” attribute in Post
- Profile.enabled and Donut.isCompleted attributes would ideally be BOOLEAN but upon research it seems that Oracle DB for SQL supports BOOLEAN starting with version 23c, while the department provided Oracle DB (which we are using) is version 19c. So instead, as you'll see in our actual SQL DDL statements, we use CHAR(1)

Functional Dependencies

Since our design didn't have many FDs, we added attributes in Profile for their location (Address, Postal Code, Province, City). We believe these are meaningful attributes as proximal locations can increase the accessibility of the donut dates, and can help with planning—for instance, a SocialDonut's "suggestedActivity" can have more relevant suggestions if we use the location information paired with an API such as Google Places).

Profile schema is now the following (italicized are the added attributes):

```
Profile(  
    email: CHAR                PK,  
    pictureURL: CHAR,  
    gender: CHAR                NOT NULL,  
    age: INT                    NOT NULL,  
    fullName: CHAR              NOT NULL,  
    enabled: CHAR               NOT NULL,  
    year: INT                   NOT NULL,  
    major: CHAR                 NOT NULL,  
    settings: CHAR,  
    address: CHAR,  
    postalCode: CHAR,  
    province: CHAR,  
    city: CHAR  
)
```

Profile FDs:

email → gender, pictureURL, age, fullName, enabled, year, major, settings,
address, postalCode, province, city
postalCode → province, city

BeenPaired FDs:

profileA, profileB → pairedDate

AssignedTo FDs:

donutID → profile

Donut FDs:

donutID → createdAt, isCompleted, course, suggestedActivity

Post FDs:

donutID → title, pictureURL, description, author
donutID, title → pictureURL, description, author

Picture FDs:

pictureURL → alt

Message FDs:

messageID → message, sentAt, sender

Hobby FDs:

name → description

Notification FDs:

notificationID → time, message, receiver

PostReaction FDs:

profile, postID → emoji

Thread FDs:

threadID → author, parent, text, donutID, title, createdAt

ThreadReaction FDs:

profile, postID → emoji

ProfileHobby and Blacklist relations do not have any non-trivial FDs.

Normalization

We'll normalize the Profile table as it's currently only to 2NF. All other tables are at least BCNF. To show the work more clearly, we'll temporarily rename Profile's attributes:

email \rightarrow E,
pictureURL \rightarrow P,
gender \rightarrow G,
age \rightarrow A,
fullName \rightarrow F,
enabled \rightarrow EN,
year \rightarrow Y,
major \rightarrow M,
settings \rightarrow S,
address \rightarrow AD,
postalCode \rightarrow PO,
province \rightarrow PR,
city \rightarrow C

Now we'll express the Profile relation as Profile(E, P, G, A, F, EN, Y, M, S, AD, PO, PR, C)

Our FD's for this relation:

- (1) $E \rightarrow G, P, A, F, EN, Y, M, S, AD, PO, PR, C$
- (2) $PO \rightarrow PR, C$

Closures:

- (1) $E^+ : E, G, P, A, F, EN, Y, M, S, AD, PO, PR, C$
- (2) $PO^+ : PO, PR, C$

<i>Left</i>	<i>Middle</i>	<i>Right</i>
E	PO	G, P, A, F, EN, Y, M, S, PR, C

Our minimal key is E. Our minimal cover:

$E \rightarrow G$
 $E \rightarrow P$
 $E \rightarrow A$
 $E \rightarrow F$
 $E \rightarrow EN$
 $E \rightarrow Y$
 $E \rightarrow M$
 $E \rightarrow S$
 $E \rightarrow AD$
 $E \rightarrow PO$
 $PO \rightarrow PR$
 $PO \rightarrow C$

We want the Profile relation in 3NF. We will use the synthesis method. We get the following relations:

R0(E,G)
R1(E,P)
R2(E,A)
R3(E,F)
R4(E,EN)
R5(E,Y)
R6(E,M)
R7(E,S)
R8(E,AD)
R9(E,PO)
R10(PO,PR)
R11(PO,C)

We can merge the relations to the following 2:

R0(E,G,P,A,F,EN,Y,M,S,AD,PO), which preserves all $E \rightarrow x$ relations
R1(PO,PR,C), which preserves $PO \rightarrow PR$ and $PO \rightarrow C$

Now the schema for the table again, but this time with a normalized Profile table:

```
PostalLocation(  
    postalCode: CHAR          PK,  
    city: CHAR,  
    province: CHAR  
)  
Profile(  
    email: CHAR,              PK  
    pictureURL: CHAR,  
    gender: CHAR              NOT NULL,  
    age: INT                  NOT NULL,  
    fullName: CHAR            NOT NULL,  
    enabled: CHAR             NOT NULL,  
    year: INT                 NOT NULL,  
    major: CHAR               NOT NULL,  
    settings: CHAR,  
    address: CHAR,  
    postalCode: CHAR          FK  
)  
BeenPaired(  
    profileA: CHAR            FK PK,  
    profileB: CHAR            FK PK,  
    pairedDate: DATE          NOT NULL  
)  
Donut(  
    donutID: CHAR              PK,  
    createdAt: DATE           NOT NULL,  
    isCompleted: CHAR         NOT NULL,  
    course: CHAR,
```

```

        suggestedActivity: CHAR
    )
AssignedTo(
    donutID: CHAR          FK PK,
    profile: CHAR          FK PK
)
Post(
    donutID: CHAR          PK FK,
    title: CHAR            PK NOT NULL,
    author: CHAR            FK NOT NULL,
    pictureURL: CHAR,
    description: CHAR        NOT NULL
)
Picture(
    pictureURL: CHAR        PK,
    donutID: CHAR          FK NOT NULL,
    title: CHAR            FK NOT NULL,
    alt: CHAR
)
Message(
    messageID: CHAR        PK,
    donutID: CHAR          FK,
    sender: CHAR            FK,
    message: CHAR            NOT NULL,
    sentAt: DATE             NOT NULL
)
Hobby(
    name: CHAR              PK,
    description: CHAR        NOT NULL
)
ProfileHobby(
    profile: CHAR          FK PK,
    hobby: CHAR            FK PK
)
Notification(
    notificationID: CHAR    PK,
    receiver: CHAR          FK NOT NULL,
    time: DATE               NOT NULL,
    message: CHAR            NOT NULL
)
PostReaction(
    profile: CHAR          PK FK,
    postID: CHAR           PK FK,
    emoji: CHAR              NOT NULL
)
Thread(
    threadID: CHAR        PK,
    author: CHAR            FK,
    parent: CHAR            FK,
    donutID: CHAR          FK NOT NULL,
    title: CHAR            FK NOT NULL,

```

```
        createdAt: DATE          NOT NULL,  
        text: CHAR              NOT NULL  
    )  
    ThreadReaction(  
        profile: CHAR            FK PK,  
        threadID: CHAR          FK PK,  
        emoji: CHAR             NOT NULL  
    )
```

SQL DDL statements

■ Milestone 2 - SQL Statements

```
CREATE TABLE PostalLocation(  
    postalCode CHAR(6),  
    city VARCHAR2(255 CHAR),  
    province VARCHAR2(255 CHAR),  
    PRIMARY KEY (postalCode));
```

```
CREATE TABLE Profile(  
    email VARCHAR2(255 CHAR),  
    pictureURL VARCHAR2(1000 CHAR),  
    gender CHAR(6) NOT NULL,  
    age INT NOT NULL,  
    fullName VARCHAR2(255 CHAR) NOT NULL,  
    enabled CHAR(1) DEFAULT '1' NOT NULL,  
    year INT NOT NULL,  
    major VARCHAR2(255 CHAR) NOT NULL,  
    settings VARCHAR2(255 CHAR),  
    address VARCHAR2(255 CHAR),  
    postalCode CHAR(6),  
    PRIMARY KEY (email),  
    FOREIGN KEY (postalCode) REFERENCES PostalLocation(postalCode)  
        ON DELETE SET NULL);
```

```
CREATE TABLE BeenPaired(  
    profileA VARCHAR2(255 CHAR),  
    profileB VARCHAR2(255 CHAR),  
    pairedDate DATE NOT NULL,  
    PRIMARY KEY (profileA, profileB),  
    FOREIGN KEY (profileA) REFERENCES Profile(email)  
        ON DELETE CASCADE,  
    FOREIGN KEY (profileB) REFERENCES Profile(email)  
        ON DELETE CASCADE);
```

```
CREATE TABLE Donut(  
    donutID CHAR(36),  
    createdAt DATE NOT NULL,  
    isCompleted CHAR(1) DEFAULT '0' NOT NULL,  
    course VARCHAR2(8 CHAR),  
    suggestedActivity VARCHAR2(2000 CHAR),  
    PRIMARY KEY (donutID));
```

```
CREATE TABLE AssignedTo(  
    donutID CHAR(36),  
    profile VARCHAR2(255 CHAR),  
    PRIMARY KEY (donutID, profile),  
    FOREIGN KEY (donutID) REFERENCES Donut(donutID)  
        ON DELETE CASCADE,  
    FOREIGN KEY (profile) REFERENCES Profile(email)  
        ON DELETE CASCADE);
```

```

CREATE TABLE Post(
    donutID CHAR(36),
    title VARCHAR2(255 CHAR),
    author VARCHAR2(255 CHAR) NOT NULL,
    pictureURL VARCHAR2(255 CHAR),
    description VARCHAR2(255 CHAR) NOT NULL,
    PRIMARY KEY (donutID, title),
    FOREIGN KEY (author) REFERENCES Profile(email)
        ON DELETE CASCADE,
    FOREIGN KEY (donutID) REFERENCES Donut(donutID)
        ON DELETE SET NULL);

CREATE TABLE Picture(
    pictureURL VARCHAR2(1000 CHAR),
    donutID CHAR(36),
    title VARCHAR2(255 CHAR),
    alt VARCHAR2(255 CHAR),
    PRIMARY KEY (pictureURL),
    FOREIGN KEY (donutID, title) REFERENCES Post(donutID, title)
        ON DELETE SET NULL);

CREATE TABLE Message(
    messageID CHAR(36),
    donutID CHAR(36),
    message VARCHAR2(1000 CHAR) NOT NULL,
    sentAt DATE NOT NULL,
    sender VARCHAR2(255 CHAR) NOT NULL,
    PRIMARY KEY (messageID),
    FOREIGN KEY (donutID) REFERENCES Donut(donutID)
        ON DELETE CASCADE,
    FOREIGN KEY (sender) REFERENCES Profile(email)
        ON DELETE CASCADE);

CREATE TABLE Hobby(
    name VARCHAR2(255 CHAR),
    description VARCHAR2(255 CHAR) NOT NULL,
    PRIMARY KEY (name));

CREATE TABLE ProfileHobby(
    profile VARCHAR2(255 CHAR),
    hobby VARCHAR2(255 CHAR),
    PRIMARY KEY (profile, hobby),
    FOREIGN KEY (profile) REFERENCES Profile(email)
        ON DELETE CASCADE,
    FOREIGN KEY (hobby) REFERENCES Hobby(name)
        ON DELETE CASCADE);

```

```

CREATE TABLE Notification(
    notificationID CHAR(36),
    time DATE NOT NULL,
    message VARCHAR2(255 CHAR) NOT NULL,
    receiver VARCHAR2(255 CHAR) NOT NULL,
    FOREIGN KEY (receiver) REFERENCES Profile(email)
        ON DELETE CASCADE,
    PRIMARY KEY (notificationID));

CREATE TABLE PostReaction(
    profile VARCHAR2(255 CHAR),
    donutID CHAR(36),
    title VARCHAR2(255 CHAR),
    emoji VARCHAR2(16 CHAR) NOT NULL,
    PRIMARY KEY (profile, donutID, title),
    FOREIGN KEY (profile) REFERENCES Profile(email)
        ON DELETE CASCADE,
    FOREIGN KEY (donutID, title) REFERENCES Post(donutID, title)
        ON DELETE CASCADE);

CREATE TABLE Thread(
    threadID CHAR(36),
    author VARCHAR2(255 CHAR),
    donutID CHAR(36),
    title VARCHAR2(255 CHAR),
    parent CHAR(36),
    text VARCHAR2(2000 CHAR) NOT NULL,
    createdAt DATE NOT NULL,
    PRIMARY KEY (threadID),
    FOREIGN KEY (author) REFERENCES Profile(email)
        ON DELETE SET NULL,
    FOREIGN KEY (donutID, title) REFERENCES Post(donutID, title)
        ON DELETE CASCADE,
    FOREIGN KEY (parent) REFERENCES Thread(threadID)
        ON DELETE CASCADE);

CREATE TABLE ThreadReaction(
    profile VARCHAR2(255 CHAR),
    threadID CHAR(36),
    emoji VARCHAR2(16 CHAR) NOT NULL,
    PRIMARY KEY (profile, threadID),
    FOREIGN KEY (profile) REFERENCES Profile(email)
        ON DELETE CASCADE,
    FOREIGN KEY (threadID) REFERENCES Thread(threadID)
        ON DELETE CASCADE);

```

Notes:

- threadID, messageID, postID, notificationID attributes were set with CHAR(36) as we anticipate we'll store a UUID (v4) value, generated server-side
- VARCHAR will apparently be changed in the future so Oracle suggests using VARCHAR2
- Presently, the max possible characters an emoji uses is 10, but in case there are more emojis created in the future that will take up even more characters to encode, we set the data type as VARCHAR2(16 CHAR)
- Our intended behavior for Comments is to prevent any comment from ever being deleted (unless the post itself gets deleted). Instead, a user's delete request will perform an update to the comment with: "this comment was deleted by the user."

Insert statements

■ Milestone 2 - SQL Statements

```
INSERT INTO PostalLocation VALUES ('V6S0K5', 'Vancouver', 'British Columbia');
INSERT INTO PostalLocation VALUES ('V5A1S6', 'Burnaby', 'British Columbia');
INSERT INTO PostalLocation VALUES ('V6T1Z4', 'Vancouver', 'British Columbia');
INSERT INTO PostalLocation VALUES ('V8P5C2', 'Victoria', 'British Columbia');
INSERT INTO PostalLocation VALUES ('M5S1A1', 'Toronto', 'Ontario');

INSERT INTO Profile VALUES ('donaldkevlee@gmail.com',
    'https://examplesite/images/DonaldLee.jpg', 'male', 20, 'Donald Lee', '1',
    3, 'CMS', NULL, '27 Kings College Cir', 'M5S1A1');
INSERT INTO Profile VALUES ('davidlim11@gmail.com',
    'https://examplesite/images/DavidLim.jpg', 'male', 21, 'David Lim', '1', 4,
    'MATH', NULL, '6200 University Blvd', 'V6T1Z4');
INSERT INTO Profile VALUES ('jaewuchun@gmail.com',
    'https://examplesite/images/JaeWuChun.jpg', 'male', 22, 'Jae Wu Chun',
    '1', 3, 'CMS', 'type=study;notif=pair', '6200 University Blvd', 'V6T1Z4');
INSERT INTO Profile VALUES ('doge@gmail.com',
    'https://examplesite/images/KabosuSato.jpg', 'female', 18, 'Kabosu Sato',
    '1', 1, 'Finance', 'type=study;', '6200 University Blvd', 'V6T1Z4');
INSERT INTO Profile VALUES ('pepe@gmail.com',
    'https://examplesite/images/PepeFrog.jpg', 'male', 20, 'Pepe Frog', '1', 5,
    'Marketing', 'type=study;', '3800 Finnerty Rd', 'V8P5C2');
INSERT INTO Profile VALUES ('andy@gmail.com',
    'https://examplesite/images/AndyMeme.jpg', 'male', 22, 'Andy Meme', '1', 3,
    'Computer Science', 'type=study;', '6200 University Blvd', 'V6T1Z4');
INSERT INTO Profile VALUES ('taylor@gmail.com',
    'https://examplesite/images/TaylorSwift.jpg', 'female', 22, 'Taylor Swift',
    '1', 4, 'Music', 'type=social', '6200 University Blvd', 'V6T1Z4');
INSERT INTO Profile VALUES ('bob@gmail.com',
    'https://examplesite/images/BobBuilder.jpg', 'male', 18, 'Bob Builder',
    '1', 3, 'Architecture', 'type=social', '8888 University Drive', 'V5A1S6');
INSERT INTO Profile VALUES ('shibainu@gmail.com',
    'https://examplesite/images/ShibaInu.jpg', 'female', 21, 'Shiba Inu', '1',
    4, 'Finance', 'type=social', '8888 University Drive', 'V5A1S6');
INSERT INTO Profile VALUES ('kenduinu@gmail.com',
    'https://examplesite/images/KenduInu.jpg', 'male', 22, 'Kendu Inu', '1', 5,
    'Finance', 'type=social', '3581 Ross Drive', 'V6S0K5');

INSERT INTO BeenPaired VALUES ('donaldkevlee@gmail.com', 'davidlim11@gmail.com',
    TO_DATE('2024-07-14', 'yyyy/mm/dd'));
INSERT INTO BeenPaired VALUES ('jaewuchun@gmail.com', 'doge@gmail.com',
    TO_DATE('2024-07-14', 'yyyy/mm/dd'));
INSERT INTO BeenPaired VALUES ('pepe@gmail.com', 'andy@gmail.com',
    TO_DATE('2024-07-14', 'yyyy/mm/dd'));
INSERT INTO BeenPaired VALUES ('taylor@gmail.com', 'bob@gmail.com',
    TO_DATE('2024-07-14', 'yyyy/mm/dd'));
INSERT INTO BeenPaired VALUES ('shibainu@gmail.com', 'kenduinu@gmail.com',
    TO_DATE('2024-07-14', 'yyyy/mm/dd'));
```



```

INSERT INTO Donut VALUES ('37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5',
    TO_DATE('2024-07-21','yyyy/mm/dd'), '1', NULL, NULL);
INSERT INTO Donut VALUES ('b1f9aec6-e46f-4626-b6c1-4f10066ae752',
    TO_DATE('2024-07-21','yyyy/mm/dd'), '1', 'CPSC 304', NULL);
INSERT INTO Donut VALUES ('51dd4e68-fa9f-430d-af98-15f321f06b98',
    TO_DATE('2024-07-21','yyyy/mm/dd'), '1', 'ECON 200', NULL);
INSERT INTO Donut VALUES ('e2a8301b-d218-4bd6-ad23-b42caa99fb35',
    TO_DATE('2024-07-21','yyyy/mm/dd'), '1', NULL, 'Karaoke');
INSERT INTO Donut VALUES ('8be17fe3-b1b9-454c-8561-a6bafad8a0b1',
    TO_DATE('2024-07-21','yyyy/mm/dd'), '1', NULL, 'Running');

INSERT INTO AssignedTo VALUES
    ('37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5', 'donaldkevlee@gmail.com');
INSERT INTO AssignedTo VALUES
    ('37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5', 'davidlim11@gmail.com');
INSERT INTO AssignedTo VALUES
    ('b1f9aec6-e46f-4626-b6c1-4f10066ae752', 'jaewuchun@gmail.com');
INSERT INTO AssignedTo VALUES
    ('b1f9aec6-e46f-4626-b6c1-4f10066ae752', 'doge@gmail.com');
INSERT INTO AssignedTo VALUES
    ('51dd4e68-fa9f-430d-af98-15f321f06b98', 'pepe@gmail.com');
INSERT INTO AssignedTo VALUES
    ('51dd4e68-fa9f-430d-af98-15f321f06b98', 'andy@gmail.com');
INSERT INTO AssignedTo VALUES
    ('e2a8301b-d218-4bd6-ad23-b42caa99fb35', 'taylor@gmail.com');
INSERT INTO AssignedTo VALUES
    ('e2a8301b-d218-4bd6-ad23-b42caa99fb35', 'bob@gmail.com');
INSERT INTO AssignedTo VALUES
    ('8be17fe3-b1b9-454c-8561-a6bafad8a0b1', 'shibainu@gmail.com');
INSERT INTO AssignedTo VALUES
    ('8be17fe3-b1b9-454c-8561-a6bafad8a0b1', 'kenduinu@gmail.com');

INSERT INTO Post VALUES ('37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5',
    'Mountain Hiking Adventure', 'donaldkevlee@gmail.com',
    'https://examplesite.com/images/hiking.jpg', 'We had an amazing time hiking
    the mountains! The views were fire and the experience unforgettable.');
```

```

INSERT INTO Post VALUES ('37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5',
    'First leg day in a while', 'davidlim11@gmail.com',
    'https://examplesite.com/images/hikinggg.jpg', 'My leg hurted');
INSERT INTO Post VALUES ('b1f9aec6-e46f-4626-b6c1-4f10066ae752', 'CPSC 304 Study
    Session', 'jaewuchun@gmail.com',
    'https://examplesite.com/images/study.jpg', 'The study session for CPSC 304
    was incredibly productive and fun!');
INSERT INTO Post VALUES ('51dd4e68-fa9f-430d-af98-15f321f06b98', 'Economics
    Discussion', 'andy@gmail.com',
    'https://examplesite.com/images/economics.jpg', 'We learned so much from
    each other! Made a new study buddy!');
INSERT INTO Post VALUES ('e2a8301b-d218-4bd6-ad23-b42caa99fb35', 'Karaoke Night',
    'taylor@gmail.com', 'https://examplesite.com/images/karaoke.jpg', 'Karaoke
    night was a blast! We had so much fun singing our favorite songs!');
```

```

INSERT INTO Post VALUES ('8be17fe3-b1b9-454c-8561-a6bafad8a0b1', 'Morning Run',
    'kenduinu@gmail.com', 'https://examplesite.com/images/running.jpg', 'Great
    company and a nice view. Will hangout together again!');

INSERT INTO Picture VALUES ('https://examplesite.com/images/hiking.jpg',
    '37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5', 'Mountain Hiking Adventure',
    'Hiking in the mountains');
INSERT INTO Picture VALUES ('https://examplesite.com/images/hurting.jpg',
    '37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5', 'First leg day in a while',
    'Picture of how insanely large my legs are');
INSERT INTO Picture VALUES ('https://examplesite.com/images/study.jpg',
    'b1f9aec6-e46f-4626-b6c1-4f10066ae752', 'CPSC 304 Study Session', 'Students
    studying together');
INSERT INTO Picture VALUES ('https://examplesite.com/images/economics.jpg',
    '51dd4e68-fa9f-430d-af98-15f321f06b98', 'Economics Discussion', 'Discussion
    about economics');
INSERT INTO Picture VALUES ('https://examplesite.com/images/karaoke.jpg',
    'e2a8301b-d218-4bd6-ad23-b42caa99fb35', 'Karaoke Night', 'Students Singing
    at karaoke night');
INSERT INTO Picture VALUES ('https://examplesite.com/images/karaoke2.jpg',
    'e2a8301b-d218-4bd6-ad23-b42caa99fb35', 'Karaoke Night', 'A group picture
    of attendees');
INSERT INTO Picture VALUES ('https://examplesite.com/images/running.jpg',
    '8be17fe3-b1b9-454c-8561-a6bafad8a0b1', 'Morning Run', 'Students running in
    the morning');

INSERT INTO Hobby VALUES ('Hiking', 'Exploring nature by walking.');
```

```

INSERT INTO Hobby VALUES ('Anime', 'Discussing Japanese animation and manga.');
```

```

INSERT INTO Hobby VALUES ('Driving', 'Racing or commuting by vehicle.');
```

```

INSERT INTO Hobby VALUES ('Investing', 'Buying equities.');
```

```

INSERT INTO Hobby VALUES ('Running', 'Walking fast for fitness and enjoyment.');
```

```

INSERT INTO Hobby VALUES ('Singing', 'Enjoying vocal music.');
```

```

INSERT INTO Hobby VALUES ('Building', 'Creating various projects.');
```

```

INSERT INTO Hobby VALUES ('Weightlifting', 'Lifting weights.');
```

```

INSERT INTO ProfileHobby VALUES ('donaldkevlee@gmail.com', 'Hiking');
```

```

INSERT INTO ProfileHobby VALUES ('donaldkevlee@gmail.com', 'Anime');
```

```

INSERT INTO ProfileHobby VALUES ('jaewuchun@gmail.com', 'Driving');
```

```

INSERT INTO ProfileHobby VALUES ('davidlim11@gmail.com', 'Hiking');
```

```

INSERT INTO ProfileHobby VALUES ('doge@gmail.com', 'Investing');
```

```

INSERT INTO ProfileHobby VALUES ('doge@gmail.com', 'Running');
```

```

INSERT INTO ProfileHobby VALUES ('pepe@gmail.com', 'Anime');
```

```

INSERT INTO ProfileHobby VALUES ('andy@gmail.com', 'Investing');
```

```

INSERT INTO ProfileHobby VALUES ('taylor@gmail.com', 'Singing');
```

```

INSERT INTO ProfileHobby VALUES ('bob@gmail.com', 'Building');
```

```

INSERT INTO ProfileHobby VALUES ('shibainu@gmail.com', 'Running');
```

```

INSERT INTO ProfileHobby VALUES ('kenduinu@gmail.com', 'Weightlifting');
```

```

INSERT INTO PostReaction VALUES ('bob@gmail.com',
    '37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5', 'Mountain Hiking Adventure', '👍');
INSERT INTO PostReaction VALUES ('donaldkevlee@gmail.com',
    '37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5', 'Mountain Hiking Adventure', '👍');
INSERT INTO PostReaction VALUES ('taylor@gmail.com',
    'b1f9aec6-e46f-4626-b6c1-4f10066ae752', 'CPSC 304 Study Session', '❤️');
INSERT INTO PostReaction VALUES ('kenduinu@gmail.com',
    '51dd4e68-fa9f-430d-af98-15f321f06b98', 'Economics Discussion', '😓');
INSERT INTO PostReaction VALUES ('shibainu@gmail.com',
    'e2a8301b-d218-4bd6-ad23-b42caa99fb35', 'Karaoke Night', '🎉');
INSERT INTO PostReaction VALUES ('pepe@gmail.com',
    '8be17fe3-b1b9-454c-8561-a6bafad8a0b1', 'Morning Run', '😊');

INSERT INTO Message VALUES ('a1b2c3d4-e5f6-7890-abcd-ef1234567890',
    '37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5', 'Had a fun time hiking!',
    TO_DATE('2024-07-21 10:00:00', 'yyyy/mm/dd hh24:mi:ss'),
    'donaldkevlee@gmail.com');
INSERT INTO Message VALUES ('b1c2d3e4-f5g6-7890-bcde-f1a234567890',
    'b1f9aec6-e46f-4626-b6c1-4f10066ae752', 'I PASSED MY FINAL!!',
    TO_DATE('2024-07-21 11:30:00', 'yyyy/mm/dd hh24:mi:ss'), 'pepe@gmail.com');
INSERT INTO Message VALUES ('c1d2e3f4-g5h6-7890-cdef-2b3456789012',
    '51dd4e68-fa9f-430d-af98-15f321f06b98', 'Bro I failed...',
    TO_DATE('2024-07-21 13:00:00', 'yyyy/mm/dd hh24:mi:ss'), 'andy@gmail.com');
INSERT INTO Message VALUES ('d1e2f3g4-h5i6-7890-def0-3c4567890123',
    'e2a8301b-d218-4bd6-ad23-b42caa99fb35', 'Hi', TO_DATE('2024-07-21
    19:00:00', 'yyyy/mm/dd hh24:mi:ss'), 'shibainu@gmail.com');
INSERT INTO Message VALUES ('e1f2g3h4-i5j6-7890-ef01-4d5678901234',
    '8be17fe3-b1b9-454c-8561-a6bafad8a0b1', 'Enjoyed the morning run today!',
    TO_DATE('2024-07-21 07:00:00', 'yyyy/mm/dd hh24:mi:ss'),
    'kenduinu@gmail.com');

INSERT INTO Notification VALUES ('b1c2d3e4-f5g6-7890-bcde-f1a234567890',
    TO_DATE('2024-07-14 10:15:00', 'yyyy/mm/dd hh24:mi:ss'), 'You have been
    paired on a study donut!', 'jaewuchun@gmail.com');
INSERT INTO Notification VALUES ('a1b2c3d4-e5f6-7890-abcd-ef1234567890',
    TO_DATE('2024-07-21 09:00:00', 'yyyy/mm/dd hh24:mi:ss'), 'Your hiking post
    received a new comment!', 'donaldkevlee@gmail.com');
INSERT INTO Notification VALUES ('c1d2e3f4-g5h6-7890-cdef-2b3456789012',
    TO_DATE('2024-07-21 11:30:00', 'yyyy/mm/dd hh24:mi:ss'), 'You have a new
    reaction on your Economics Discussion post!', 'doge@gmail.com');
INSERT INTO Notification VALUES ('d1e2f3g4-h5i6-7890-def0-3c4567890123',
    TO_DATE('2024-07-21 12:45:00', 'yyyy/mm/dd hh24:mi:ss'), 'Someone liked your
    Karaoke Night post!', 'bob@gmail.com');
INSERT INTO Notification VALUES ('e1f2g3h4-i5j6-7890-ef01-4d5678901234',
    TO_DATE('2024-07-21 14:00:00', 'yyyy/mm/dd hh24:mi:ss'), 'A new comment was
    added to your Karaoke Night post!', 'bob@gmail.com');

INSERT INTO Thread VALUES ('f1a2b3c4-d5e6-7890-abcd-ef1234567890',

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        'taylor@gmail.com', '37fefabe-c5ed-4348-9ecb-e9d73a7a3dd5', 'Mountain
        Hiking Adventure', NULL, 'This hiking trip looks so fun!!',
        TO_DATE('2024-07-21 09:00:00','yyyy/mm/dd hh24:mi:ss'));
INSERT INTO Thread VALUES ('935c9d1f-9d77-41ba-b132-48898feb97ff',
        'donaldkevlee@gmail.com', 'f1a2b3c4-d5e6-7890-abcd-ef1234567890', 'First
        leg day in a while', NULL, 'I never hit legs', TO_DATE('2024-07-21
        09:20:00','yyyy/mm/dd hh24:mi:ss'));
INSERT INTO Thread VALUES ('h1c2d3e4-f5g6-7890-cdef-2b3456789012',
        'shibainu@gmail.com', '51dd4e68-fa9f-430d-af98-15f321f06b98', 'Economics
        Discussion', NULL, 'Invest in Kendu Inu!', TO_DATE('2024-07-21
        11:30:00','yyyy/mm/dd hh24:mi:ss'));
INSERT INTO Thread VALUES ('3c2db62f-48b7-468c-8ac5-3dce4c33e8e1',
        'davidlim11@gmail.com', '51dd4e68-fa9f-430d-af98-15f321f06b98', 'Economics
        Discussion', 'h1c2d3e4-f5g6-7890-cdef-2b3456789012', 'ur a shill',
        TO_DATE('2024-07-21 11:32:00','yyyy/mm/dd hh24:mi:ss'));
INSERT INTO Thread VALUES ('i1d2e3f4-g5h6-7890-def0-3c4567890123',
        'davidlim11@gmail.com', '935c9d1f-9d77-41ba-b132-48898feb97ff', 'Karaoke
        Night', NULL, 'When is a video feature gonna drop on this app?',
        TO_DATE('2024-07-21 14:00:00','yyyy/mm/dd hh24:mi:ss'));

INSERT INTO ThreadReaction VALUES ('donaldkevlee@gmail.com',
        '3c2db62f-48b7-468c-8ac5-3dce4c33e8e1', '😄');
INSERT INTO ThreadReaction VALUES ('jaewuchun@gmail.com',
        'g1b2c3d4-e5f6-7890-bcde-f1a234567890', '👍');
INSERT INTO ThreadReaction VALUES ('kenduinu@gmail.com',
        'h1c2d3e4-f5g6-7890-cdef-2b3456789012', '❤️');
INSERT INTO ThreadReaction VALUES ('shibainu@gmail.com',
        'i1d2e3f4-g5h6-7890-def0-3c4567890123', '😂');
INSERT INTO ThreadReaction VALUES ('davidlim11@gmail.com',
        'j1e2f3g4-h5i6-7890-ef01-4d5678901234', '🎉');

```