

# CPSC 304 Project Cover Page

Milestone #: 4

Date: 12/1/2023

Group Number: 1

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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

- [README.txt](#)

# SQL script

(also at setup.sql)

```
--Drop tables
DROP TABLE Comments;
DROP TABLE Listings;
DROP TABLE ProductCategories;
DROP TABLE Messages;
DROP TABLE Blocks;
DROP TABLE Follows;

DROP TABLE UserPosts;
DROP TABLE Likes;
DROP TABLE Media;
DROP TABLE Posts;
DROP TABLE Songs;
DROP TABLE AdShowing;
DROP TABLE AdRoles;
DROP TABLE Advertisements;
DROP TABLE MessageGroupMembers;
DROP TABLE MessageGroups;
DROP TABLE Users;
DROP TABLE Zodiac;
DROP TABLE Locations;
DROP TABLE Regions;

--Create tables
CREATE TABLE Regions(
    Latitude NUMBER(15, 12),
    Longitude NUMBER(15, 12),
    City VARCHAR2(256),
    Country VARCHAR2(256),
    PRIMARY KEY (Latitude, Longitude)
);

CREATE TABLE Locations(
    LocationID CHAR(16) PRIMARY KEY,
    LocationName VARCHAR2(64) NOT NULL,
    Latitude NUMBER(15, 12) NOT NULL,
    Longitude NUMBER(15, 12) NOT NULL,
    Altitude NUMBER(15, 12),
    UNIQUE (LocationName, Latitude, Longitude, Altitude),
    FOREIGN KEY (Latitude, Longitude) REFERENCES Regions(Latitude, Longitude) ON DELETE CASCADE
);

CREATE TABLE Zodiac(
    Birthday DATE PRIMARY KEY,
    Zodiac INTEGER
);

CREATE TABLE Users(
    UserID CHAR(16) PRIMARY KEY,
    Username VARCHAR2(32) UNIQUE,
    DisplayName VARCHAR2(32),
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Bio VARCHAR2(4000),
PasswordHash CHAR(60) UNIQUE NOT NULL,
IsAdmin INTEGER NOT NULL,
LocationID CHAR(16),
Birthday DATE,
FOREIGN KEY (LocationID) REFERENCES Locations(LocationID) ON DELETE SET NULL,
FOREIGN KEY (Birthday) REFERENCES Zodiac(Birthday)
);

CREATE TABLE MessageGroups(
    MessageGroupID CHAR(16) PRIMARY KEY,
    MessageGroupName VARCHAR2(32)
);

CREATE TABLE MessageGroupMembers(
    MessageGroup CHAR(16),
    UserID CHAR(16),
    PRIMARY KEY (MessageGroup, UserID),
    FOREIGN KEY (MessageGroup) REFERENCES MessageGroups(MessageGroupID) ON DELETE CASCADE,
    FOREIGN KEY (UserID) REFERENCES Users(UserID) ON DELETE CASCADE
);

CREATE TABLE Advertisements(
    AdID CHAR(16) PRIMARY KEY,
    ImageURL VARCHAR2(512) NOT NULL,
    ClickURL VARCHAR2(512) NOT NULL,
    RemainingViews INTEGER NOT NULL
);

CREATE TABLE AdRoles(
    UserID CHAR(16),
    AdID CHAR(16),
    "Role" INTEGER NOT NULL,
    PRIMARY KEY (UserID, AdID),
    FOREIGN KEY (UserID) REFERENCES Users(UserID) ON DELETE CASCADE,
    FOREIGN KEY (AdID) REFERENCES Advertisements(AdID) ON DELETE CASCADE
);

CREATE TABLE AdShowing(
    AdShowingID CHAR(16),
    "Time" DATE NOT NULL,
    Clicked INTEGER NOT NULL,
    AdID CHAR(16),
    UserID CHAR(16),
    PRIMARY KEY (AdShowingID, AdID, UserID),
    FOREIGN KEY (AdID) REFERENCES Advertisements(AdID) ON DELETE CASCADE,
    FOREIGN KEY (UserID) REFERENCES Users(UserID) ON DELETE CASCADE
);

CREATE TABLE Songs(
    SongID CHAR(16) PRIMARY KEY,
    SongTitle VARCHAR2(32) NOT NULL,
    Artist VARCHAR2(32) NOT NULL,
    "URL" VARCHAR2(512) UNIQUE NOT NULL
);

CREATE TABLE Posts(
    PostID CHAR(16) PRIMARY KEY,
    "Time" DATE NOT NULL,
    Caption VARCHAR2(4000),
    LocationID CHAR(16),

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Expires DATE,
SongID CHAR(16),
FOREIGN KEY (LocationID) REFERENCES Locations(LocationID) ON DELETE SET NULL,
FOREIGN KEY (SongID) REFERENCES Songs(SongID) ON DELETE SET NULL
);

CREATE TABLE Media(
    MediaID CHAR(16),
    "URL" VARCHAR2(512) NOT NULL,
    PostID CHAR(16),
    UserID CHAR(16),
    "Index" INTEGER NOT NULL,
    "Type" VARCHAR2(32) NOT NULL,
    PRIMARY KEY (MediaID, PostID),
    UNIQUE (PostID, "Index"),
    FOREIGN KEY (PostID) REFERENCES Posts(PostID) ON DELETE CASCADE,
    FOREIGN KEY (UserID) REFERENCES Users(UserID) ON DELETE CASCADE
);

CREATE TABLE Likes(
    UserID CHAR(16),
    PostID CHAR(16),
    PRIMARY KEY (UserID, PostID),
    FOREIGN KEY (UserID) REFERENCES Users(UserID) ON DELETE CASCADE,
    FOREIGN KEY (PostID) REFERENCES Posts(PostID) ON DELETE CASCADE
);

CREATE TABLE UserPosts(
    UserID CHAR(16),
    PostID CHAR(16),
    "Role" INTEGER NOT NULL,
    PRIMARY KEY (UserID, PostID),
    FOREIGN KEY (UserID) REFERENCES Users(UserID) ON DELETE CASCADE,
    FOREIGN KEY (PostID) REFERENCES Posts(PostID) ON DELETE CASCADE
);

CREATE TABLE Follows(
    Follower CHAR(16),
    "Following" CHAR(16),
    PRIMARY KEY (Follower, "Following"),
    FOREIGN KEY (Follower) REFERENCES Users(UserID) ON DELETE CASCADE,
    FOREIGN KEY ("Following") REFERENCES Users(UserID) ON DELETE CASCADE
);

CREATE TABLE Blocks(
    Blocker CHAR(16),
    Blocked CHAR(16),
    PRIMARY KEY (Blocker, Blocked),
    FOREIGN KEY (Blocker) REFERENCES Users(UserID) ON DELETE CASCADE,
    FOREIGN KEY (Blocked) REFERENCES Users(UserID) ON DELETE CASCADE
);

CREATE TABLE Messages(
    MessageID CHAR(16),
    "Time" DATE NOT NULL,
    "Text" LONG NOT NULL,
    MessageGroup CHAR(16),
    Sender CHAR(16) NOT NULL,
    ReplyTo CHAR(16),
    PRIMARY KEY (MessageID, MessageGroup),
    FOREIGN KEY (MessageGroup) REFERENCES MessageGroups(MessageGroupID) ON DELETE CASCADE,

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FOREIGN KEY (Sender) REFERENCES Users(UserID) ON DELETE SET NULL,
FOREIGN KEY (ReplyTo) REFERENCES Posts(PostID) ON DELETE SET NULL
);

CREATE TABLE ProductCategories(
    ProductCategoryID CHAR(16) PRIMARY KEY,
    ProductCategoryName VARCHAR2(32) NOT NULL
);

CREATE TABLE Listings(
    PostID CHAR(16) PRIMARY KEY,
    ListingTitle VARCHAR2(32) NOT NULL,
    Price INTEGER NOT NULL,
    ProductCategoryID CHAR(16) NOT NULL,
    FOREIGN KEY (PostID) REFERENCES Posts(PostID) ON DELETE CASCADE,
    FOREIGN KEY (ProductCategoryID) REFERENCES ProductCategories(ProductCategoryID) ON DELETE SET NULL
);

CREATE TABLE Comments(
    CommentID CHAR(16),
    "Time" DATE NOT NULL,
    "Text" LONG NOT NULL,
    UserID CHAR(16) NOT NULL,
    PostID CHAR(16),
    PRIMARY KEY (CommentID, PostID),
    FOREIGN KEY (UserID) REFERENCES Users(UserID) ON DELETE CASCADE,
    FOREIGN KEY (PostID) REFERENCES Posts(PostID) ON DELETE CASCADE
);

--Populate tables
--Locations
INSERT INTO Regions(Latitude, Longitude, City, Country)
    VALUES (49.2666155, -123.2526006, 'Vancouver, BC', 'Canada');
INSERT INTO Locations(LocationID, LocationName, Latitude, Longitude)
    VALUES ('7rvn832cn0lz18HA', 'AMS Nest', 49.2666155, -123.2526006);
INSERT INTO Regions(Latitude, Longitude, City, Country)
    VALUES (49.2778358, -123.1088227, 'Vancouver, BC', 'Canada');
INSERT INTO Locations(LocationID, LocationName, Latitude, Longitude)
    VALUES ('oqpXMSGYj2z2EbQ', 'Rogers Arena', 49.2778358, -123.1088227);
INSERT INTO Regions(Latitude, Longitude, City, Country)
    VALUES (37.6191671, -122.3816108, 'Millbrae, CA', 'United States');
INSERT INTO Locations(LocationID, LocationName, Latitude, Longitude)
    VALUES ('2P8oHqP0AkcZypRx', 'San Francisco International Airport', 37.6191671, -122.3816108);

--Product categories
INSERT INTO ProductCategories(ProductCategoryID, ProductCategoryName)
    VALUES ('oea24GvBIWyXXsy0', 'Electronics');
INSERT INTO ProductCategories(ProductCategoryID, ProductCategoryName)
    VALUES ('7kjC97fcXbo0tvzN', 'Collectibles');
INSERT INTO ProductCategories(ProductCategoryID, ProductCategoryName)
    VALUES ('WM6Zm3PB8fMTtnjW', 'Vehicles');

--Songs
INSERT INTO Songs(SongID, SongTitle, Artist, "URL")
    VALUES ('xZvNoqcdPMEet2L5', '2 kHz', 'Nobody', '/sampleMedia/2khz.mp3');
INSERT INTO Songs(SongID, SongTitle, Artist, "URL")
    VALUES ('FxWyDCUK5G409GZ', '440 Hz', 'Nobody', '/sampleMedia/440hz.mp3');

--Admin accounts for all collaborators, passwords are 1234
--TODO add locations and birthdays
INSERT INTO Users(UserID, Username, DisplayName, Bio, PasswordHash, IsAdmin)

```

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VALUES ('IyGj2UbaelBweKAU', 'bruce', 'Bruce', 'CPSC 304 student',
'$2b$12$687MkkgRc0jydCiZaZgpx.gVm5u10cNrKiFYWwYwiK/AIXbMh30AO', 1);
INSERT INTO Users(UserID, Username, DisplayName, Bio, PasswordHash, IsAdmin)
VALUES ('VSCpGjK9iXJXj2NQ', 'banu', 'Banu', 'CPSC 304 student',
'$2b$12$yD5WwaePc2nKUfe1QJjL20Flmv0IxKNL0mPtvFqsv0Luq6VGic222', 1);
INSERT INTO Users(UserID, Username, DisplayName, Bio, PasswordHash, IsAdmin)
VALUES ('hLOndHN7ojKxuUpj', 'ege', 'Ege', 'CPSC 304 student',
'$2b$12$rHbhSkTmBqQ7TBqZqkQSFuMW18u50zN0yJ2gpxoMHIjAcka5l/kvm', 1);
--Bruce follows Banu and Ege, Banu and Ege follow each other but not Bruce (to test filtering)
INSERT INTO Follows(Follower, "Following")
VALUES ('IyGj2UbaelBweKAU', 'VSCpGjK9iXJXj2NQ');
INSERT INTO Follows(Follower, "Following")
VALUES ('IyGj2UbaelBweKAU', 'hLOndHN7ojKxuUpj');
INSERT INTO Follows(Follower, "Following")
VALUES ('VSCpGjK9iXJXj2NQ', 'hLOndHN7ojKxuUpj');
INSERT INTO Follows(Follower, "Following")
VALUES ('hLOndHN7ojKxuUpj', 'VSCpGjK9iXJXj2NQ');

--Two ads, with 5 viewings purchased, but not viewed yet.
INSERT INTO Advertisements(AdID, ImageURL, ClickURL, RemainingViews)
VALUES ('gvHzqXK7PpWeRfTj', '/sampleMedia/take304.png', 'https://ubccsss.org/services/courses/cpsc-304/', 5);
INSERT INTO Advertisements(AdID, ImageURL, ClickURL, RemainingViews)
VALUES ('5Gn5iBvnYKPVrYbG', '/sampleMedia/useLinux.png', 'https://fedoraproject.org/', 5);
--The ads were created by Bruce, with Banu and Ege invited as collaborators
INSERT INTO AdRoles(UserID, AdID, "Role")
VALUES ('IyGj2UbaelBweKAU', 'gvHzqXK7PpWeRfTj', 2);
INSERT INTO AdRoles(UserID, AdID, "Role")
VALUES ('IyGj2UbaelBweKAU', '5Gn5iBvnYKPVrYbG', 2);
INSERT INTO AdRoles(UserID, AdID, "Role")
VALUES ('VSCpGjK9iXJXj2NQ', 'gvHzqXK7PpWeRfTj', 0);
INSERT INTO AdRoles(UserID, AdID, "Role")
VALUES ('VSCpGjK9iXJXj2NQ', '5Gn5iBvnYKPVrYbG', 0);
INSERT INTO AdRoles(UserID, AdID, "Role")
VALUES ('hLOndHN7ojKxuUpj', 'gvHzqXK7PpWeRfTj', 0);
INSERT INTO AdRoles(UserID, AdID, "Role")
VALUES ('hLOndHN7ojKxuUpj', '5Gn5iBvnYKPVrYbG', 0);

--Two posts per user, each with two images.
--TODO add locations
--Bruce's posts
INSERT INTO Posts(PostID, "Time", Caption)
VALUES ('vhDNgXkI8U9EdCaA', TO_DATE('2023-11-11', 'YYYY-MM-DD'), 'First post!');
INSERT INTO UserPosts(UserID, PostID, "Role")
VALUES ('IyGj2UbaelBweKAU', 'vhDNgXkI8U9EdCaA', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
VALUES ('zYTe82i0hSKpjSr3', '/sampleMedia/bruce-1.1.png', 'vhDNgXkI8U9EdCaA', 'IyGj2UbaelBweKAU', 1,
'image/png');
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
VALUES ('kFDzKkxhGyPaafYC', '/sampleMedia/bruce-1.2.png', 'vhDNgXkI8U9EdCaA', 'IyGj2UbaelBweKAU', 2,
'image/png');
INSERT INTO Posts(PostID, "Time", Caption)
VALUES ('icQX8mTGz8MikqmM', TO_DATE('2023-11-12', 'YYYY-MM-DD'), 'Bruce's second post!');
INSERT INTO UserPosts(UserID, PostID, "Role")
VALUES ('IyGj2UbaelBweKAU', 'icQX8mTGz8MikqmM', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
VALUES ('cCbMQsPRZevCiVsd', '/sampleMedia/bruce-2.1.png', 'icQX8mTGz8MikqmM', 'IyGj2UbaelBweKAU', 1,
'image/png');
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
VALUES ('3pAejXSB0jxiVgnx', '/sampleMedia/bruce-2.2.png', 'icQX8mTGz8MikqmM', 'IyGj2UbaelBweKAU', 2,
'image/png');

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--Second post has Banu and Ege invited as collaborators
INSERT INTO UserPosts(UserID, PostID, "Role")
    VALUES ('VSCpGjK9iXJXj2NQ', 'icQX8mTGz8MikqmM', 0);
INSERT INTO UserPosts(UserID, PostID, "Role")
    VALUES ('hLOndHN7ojKxuUpj', 'icQX8mTGz8MikqmM', 0);
--Banu's posts
INSERT INTO Posts(PostID, "Time", Caption)
    VALUES ('GIMNEZsNvW6Cbhsk', TO_DATE('2023-11-11', 'YYYY-MM-DD'), 'First post!');
INSERT INTO UserPosts(UserID, PostID, "Role")
    VALUES ('VSCpGjK9iXJXj2NQ', 'GIMNEZsNvW6Cbhsk', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('Xg2UuTYhrPnzPa0o', '/sampleMedia/banu-1.1.png', 'GIMNEZsNvW6Cbhsk', 'VSCpGjK9iXJXj2NQ', 1,
'image/png');
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('w6gjuI7gglnvZ95Z', '/sampleMedia/banu-1.2.png', 'GIMNEZsNvW6Cbhsk', 'VSCpGjK9iXJXj2NQ', 2,
'image/png');
INSERT INTO Posts(PostID, "Time", Caption)
    VALUES ('oTDRs1lMgiQ7xQDb', TO_DATE('2023-11-12', 'YYYY-MM-DD'), 'Banu''s second post!');
INSERT INTO UserPosts(UserID, PostID, "Role")
    VALUES ('VSCpGjK9iXJXj2NQ', 'oTDRs1lMgiQ7xQDb', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('NOgsgHwJGK0ufAWg', '/sampleMedia/banu-2.1.png', 'oTDRs1lMgiQ7xQDb', 'VSCpGjK9iXJXj2NQ', 1,
'image/png');
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('5XI0sVa887F1ZY78', '/sampleMedia/banu-2.2.png', 'oTDRs1lMgiQ7xQDb', 'VSCpGjK9iXJXj2NQ', 2,
'image/png');
--Second post has Bruce as an accepted collaborator
INSERT INTO UserPosts(UserID, PostID, "Role")
    VALUES ('IyGj2UbaelBweKAU', 'oTDRs1lMgiQ7xQDb', 1);
--Ege's posts
INSERT INTO Posts(PostID, "Time", Caption)
    VALUES ('B2U4rfpslWT8MsLA', TO_DATE('2023-11-11', 'YYYY-MM-DD'), 'First post!');
INSERT INTO UserPosts(UserID, PostID, "Role")
    VALUES ('hLOndHN7ojKxuUpj', 'B2U4rfpslWT8MsLA', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('ijAlQXkbaEkaBDLp', '/sampleMedia/ege-1.1.png', 'B2U4rfpslWT8MsLA', 'hLOndHN7ojKxuUpj', 1,
'image/png');
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('KLvaztnIJ4zcRkwV', '/sampleMedia/ege-1.2.png', 'B2U4rfpslWT8MsLA', 'hLOndHN7ojKxuUpj', 2,
'image/png');
INSERT INTO Posts(PostID, "Time", Caption)
    VALUES ('AYVlifYcUJXfnonl', TO_DATE('2023-11-12', 'YYYY-MM-DD'), 'Ege''s second post!');
INSERT INTO UserPosts(UserID, PostID, "Role")
    VALUES ('hLOndHN7ojKxuUpj', 'AYVlifYcUJXfnonl', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('BwTtp0so3ndoIMIY', '/sampleMedia/ege-2.1.png', 'AYVlifYcUJXfnonl', 'hLOndHN7ojKxuUpj', 1,
'image/png');
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('AYWfV00IHuZ8hHQ9', '/sampleMedia/ege-2.2.png', 'AYVlifYcUJXfnonl', 'hLOndHN7ojKxuUpj', 2,
'image/png');

--Expired and current stories for each user
--Bruce
INSERT INTO Posts(PostID, "Time", Expires, SongID)
    VALUES ('mXo3SLLWcNfM05C3', TO_DATE('2022-01-01', 'YYYY-MM-DD'), TO_DATE('2022-01-02', 'YYYY-MM-DD'),
'xZvNoqcdPMEet2L5');
INSERT INTO UserPosts(UserID, PostID, "Role")
    VALUES ('IyGj2UbaelBweKAU', 'mXo3SLLWcNfM05C3', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
    VALUES ('Iz8gWxUQAGoLdlaY', '/sampleMedia/bruce-expired.png', 'mXo3SLLWcNfM05C3', 'IyGj2UbaelBweKAU',
1, 'image/png');

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INSERT INTO Posts(PostID, "Time", Expires, SongID)
  VALUES ('0DjFnHijmfErYoFq', TO_DATE('2023-11-15', 'YYYY-MM-DD'), TO_DATE('3023-11-15', 'YYYY-MM-DD'),
'xZvNoqcdPMEet2L5');
INSERT INTO UserPosts(UserID, PostID, "Role")
  VALUES ('IyGj2UbaelBweKAU', '0DjFnHijmfErYoFq', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
  VALUES ('69PWfAV1KqgZKJr3', '/sampleMedia/bruce-story.png', '0DjFnHijmfErYoFq', 'IyGj2UbaelBweKAU',
1, 'image/png');
--Banu
INSERT INTO Posts(PostID, "Time", Expires, SongID)
  VALUES ('IAwIGZJrHbkRRJ3F', TO_DATE('2022-01-01', 'YYYY-MM-DD'), TO_DATE('2022-01-02', 'YYYY-MM-DD'),
'xZvNoqcdPMEet2L5');
INSERT INTO UserPosts(UserID, PostID, "Role")
  VALUES ('VSCpGjK9iXJxj2NQ', 'IAwIGZJrHbkRRJ3F', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
  VALUES ('pJnDsAZErHe8JXyD', '/sampleMedia/banu-expired.png', 'IAwIGZJrHbkRRJ3F', 'VSCpGjK9iXJxj2NQ',
1, 'image/png');
INSERT INTO Posts(PostID, "Time", Expires, SongID)
  VALUES ('8ky8pURuKlMEI7bt', TO_DATE('2023-11-15', 'YYYY-MM-DD'), TO_DATE('3023-11-15', 'YYYY-MM-DD'),
'xZvNoqcdPMEet2L5');
INSERT INTO UserPosts(UserID, PostID, "Role")
  VALUES ('VSCpGjK9iXJxj2NQ', '8ky8pURuKlMEI7bt', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
  VALUES ('R5KmmtxsgvcZTCJf', '/sampleMedia/banu-story.png', '8ky8pURuKlMEI7bt', 'VSCpGjK9iXJxj2NQ', 1,
'image/png');
--Ege
INSERT INTO Posts(PostID, "Time", Expires, SongID)
  VALUES ('X45kel6ueee4AvSq', TO_DATE('2022-01-01', 'YYYY-MM-DD'), TO_DATE('2022-01-02', 'YYYY-MM-DD'),
'xZvNoqcdPMEet2L5');
INSERT INTO UserPosts(UserID, PostID, "Role")
  VALUES ('hLOndHN7ojKxuUpj', 'X45kel6ueee4AvSq', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
  VALUES ('Iz8gWxUQAGoLdlaY', '/sampleMedia/ege-expired.png', 'X45kel6ueee4AvSq', 'hLOndHN7ojKxuUpj',
1, 'image/png');
INSERT INTO Posts(PostID, "Time", Expires, SongID)
  VALUES ('J1IbR76v1AQ5m3DC', TO_DATE('2023-11-15', 'YYYY-MM-DD'), TO_DATE('3023-11-15', 'YYYY-MM-DD'),
'xZvNoqcdPMEet2L5');
INSERT INTO UserPosts(UserID, PostID, "Role")
  VALUES ('hLOndHN7ojKxuUpj', 'J1IbR76v1AQ5m3DC', 2);
INSERT INTO Media(MediaID, "URL", PostID, UserID, "Index", "Type")
  VALUES ('ixqe1A0Y8mj8gwTp', '/sampleMedia/ege-story.png', 'J1IbR76v1AQ5m3DC', 'hLOndHN7ojKxuUpj', 1,
'image/png');

COMMIT;

```

## Short description

This is a database of sample social media that allows users to upload posts, stories and list items for sale. Users can add location to things they post and also add songs to stories. Users can also make comments to the other users' posts and stories. Users can also create and join message groups. Users can also create advertisements and show them to other users.

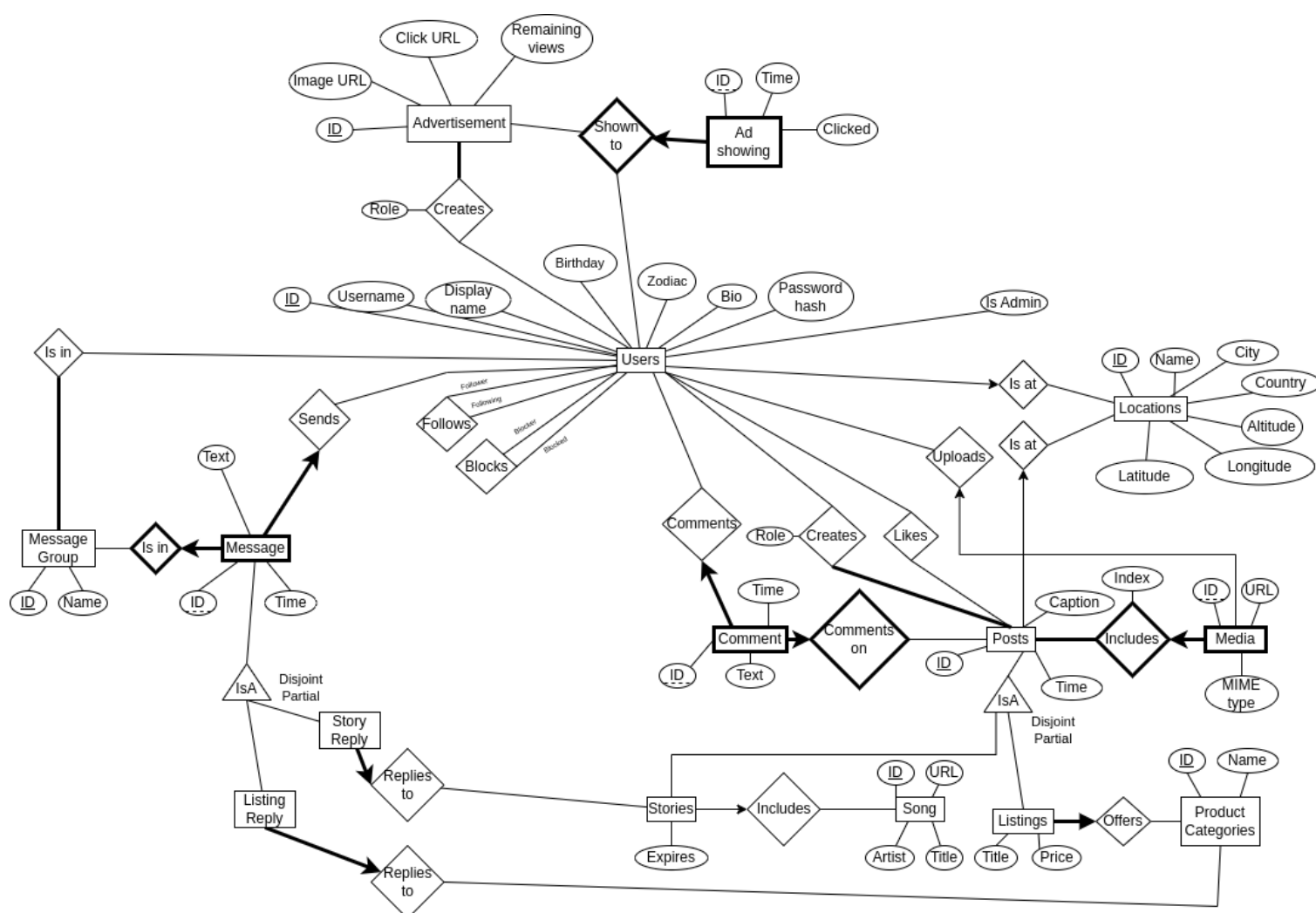
## Final schema differences

- We decided that it would be more reasonable to support one song per story than multiple, as it is not clear how multiple songs per story would work in the UI. As a result, instead of having a table to associate stories and songs, stories now have a foreign key referencing one song.



- We removed the attribute for a user's password salt, because bcrypt, the password hashing algorithm we chose, returns a single string that includes both a salt and a hash together, and it would not make sense to split it up to store it and put it back together on use.
- Because media files are uploaded directly by a user, and only ever need to be managed by that one user (because that one user will be the only one with the ability to delete that post), they only need to be associated with one user in the database. We removed the UserMedia table, and simply added a foreign key to Media referencing the user.
- Renamed foreign keys to match the column name in the table they refer to, and renamed other columns to be unique, enabling natural joins to work as they would be expected to work.
- The maximum length of a location's name was changed to 64, because a limit of 32 felt limiting.
- Messages can reference listings too, because when replying to a user about a listing, it makes sense that the reply should contain a reference to that listing.
- Media MIME types are now stored in database, to prevent the client from having to either rely on the file extension of the URL (which is unreliable), perform an HTTP HEAD request (which would add additional latency), or process the files in javascript (which would be hacky).

## Final ER diagram



## Final schema

Regions(Latitude, Longitude, City, Country)

Locations(LocationID, LocationName, Latitude, **Longitude**, **Altitude**)

Zodiac(Birthday, Zodiac)

Users(UserID, Username, DisplayName, Bio, PasswordHash, IsAdmin, **LocationID**, **Birthday**)

MessageGroups(MessageGroupID, MessageGroupName)

MessageGroupMembers(MessageGroup, UserID)

Advertisements(AdID, ImageURL, ClickURL, RemainingViews)

AdRoles(UserID, AdID, "Role")

AdShowing(AdShowingID, "Time", Clicked, AdID UserID)

Songs(SongID, SongTitle, Artist, "URL")

Posts(PostID, "Time", Caption, LocationID, Expires, SongID)

Media(MediaID, "URL", PostID, UserID, "Index" , "Type")

Likes(UserID, PostID)

UserPosts(UserID, PostID, "Role")

Follows(Follower, "Following")

Blocks(Blocker, Blocked)

Messages(MessageID, "Time", "Text", MessageGroup, Sender, ReplyTo)

ProductCategories(ProductCategoryID, ProductCategoryName)

Listings(PostID, ListingTitle, Price , ProductCategoryID)

Comments(CommentID, "Time", "Text", UserID, PostID)

## Initial data

### Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

### Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

### ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

### Zodiac

Empty

Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKIFYWwYwik/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJI2OFImvOixKNLOmPtvFqsv0Luq6VGic222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ77TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5l/kvm'	1

MessageGroups

Empty

MessageGroupMembers

Empty

Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPvYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPvYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPvYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPvYbG'	0

AdShowing

AdShowingID	"Time"	Clicked	AdID	UserID
'1'	2023-11-11	0	'gvHzqXK7PpWeRfTj'	'lyGj2UbaelBweKAU'
'1'	2023-11-11	0	'gvHzqXK7PpWeRfTj'	'VSCpGjK9iXJXj2NQ'
'1'	2023-11-11	1	'gvHzqXK7PpWeRfTj'	'hLOndHN7ojKxuUpj'

Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnlJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

ProductCategories

Empty

Listings

Empty

Comments

Empty

SQL queries

INSERT

- appController.js, line 331: `router.post('/newPost', async (req, res) => {...})`
- appService.js, line 517: `async function createPost(post, user, files) {...}`

Before

Posts

PostID	"Time"	Expires	Caption
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02	
'IAwIGZJrHbkRRJ3F'	2022-01-01	2022-01-02	
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02	
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15	
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15	
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15	

Listings

Empty

Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnlJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1lB76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## UserPosts

UserID	PostID	"Role"
'lyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'lyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1lMgiQ7xQDb'	2
'lyGj2UbaelBweKAU'	'oTDRs1lMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2

UserID	PostID	"Role"
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'lyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'lyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'lAwlGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueeee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1lbR76v1AQ5m3DC'	2

## During

304 social - Brave

304 social

localhost:50014/feed.html

Profile categories

New post  
Manage songs

Manage ads

Messaging

Settings

Product listings


Search

Log out

Admin links:

Manage locations

Manage product



Switch to Linux

Stories:

Story by Banu at 11/15/2023, 12:00:00 AM

Story by Ege at 11/15/2023, 12:00:00 AM

Post by Ege at 11/12/2023, 12:00:00 AM: Ege's second post!

Post by Bruce, Banu at 11/12/2023, 12:00:00 AM: Banu's second post!

Post by Ege at 11/11/2023, 12:00:00 AM: First post!

Post by Banu at 11/11/2023, 12:00:00 AM: First post!

localhost:50014/newPost.html



### Media (2 rows added)

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1IMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1IMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnlJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueeee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1lbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'
'yFsWJTIM8Te9lqli'	'/media/yFsWJTIM8Te9lqli.png'	'8jZ0Gkbr3gwX1hly'	'lyGj2UbaelBweKAU'	0	'image/png'
'sUjhXksjExWRY5tT'	'/media/sUjhXksjExWRY5tT.png'	'8jZ0Gkbr3gwX1hly'	'lyGj2UbaelBweKAU'	1	'image/png'

UserPosts (1 row added)

UserID	PostID	"Role"
'lyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'lyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'lyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'lyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'lyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueeee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1lbR76v1AQ5m3DC'	2

UserID	PostID	"Role"
'lyGj2UbaelBweKAU'	'8jZ0Gkbr3gwX1hly'	2

## DELETE

- appController.js, line 438: `router.post('/deletePost', async (req, res) => {...})`
- appService.js, line 736: `async function deletePost(postID) {...}`

## Before

### Posts

PostID	"Time"	Expires	Caption	LocationID	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'		
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'		
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'		
'oTDRs1IMgiQ7xQDb'	2023-11-12		'Banu"s second post!'		
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'		
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'		
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02			'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02			'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02			'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15			'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15			'xZvNoqcdPMEet2L5'
'J1lB76v1AQ5m3DC'	2023-11-15	3023-11-15			'xZvNoqcdPMEet2L5'
'8jZ0Gkbr3gwX1hly'	27-NOV-23		'This is a test'	'7rvn832cn01z18HA'	

## Listings (1 row added)

PostID	ListingTitle	Price	ProductCategoryID
'8jZ0Gkbr3gwX1hly'	'Test listing'	12345	'oea24GvBIWyXXsyO'

## Media (2 rows added)

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDZkKxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSBOjxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7gglnvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1IMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1IMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV00IHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'IyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'IyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwlGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J11bR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'
'yFsWJTIM8Te9lqli'	'/media/yFsWJTIM8Te9lqli.png'	'8jZ0Gkbr3gwX1hly'	'IyGj2UbaelBweKAU'	0	'image/png'
'sUjhXksjExWRY5tT'	'/media/sUjhXksjExWRY5tT.png'	'8jZ0Gkbr3gwX1hly'	'IyGj2UbaelBweKAU'	1	'image/png'

During

Post - Brave

304 project2 37% 29% 19% 72% 44°C 50% 68% 8.912W 6 h 44 min Mon 2023-11-27 12:49:19

Post localhost:50014/post.html?id=8jZ0Gkbr3gwX1hly

Home Profile New post Manage ads Messaging Settings Product listings Search Log out

Test listing - \$123.45 - Electronics

By Bruce at 11/27/2023, 12:35:37 PM at AMS Nest

Switch to Linux

Start by Bruce at 11/27/2023, 12:00:00 AM

Start by Bruce at 11/27/2023, 12:00:00 AM

Post by Bruce at 11/27/2023, 12:00:00 AM, First second post

Post by Bruce, Bruce at 11/27/2023, 12:00:00 AM, Bruce's second post

Post by Bruce at 11/27/2023, 12:00:00 AM, First post!

Post by Bruce at 11/27/2023, 12:00:00 AM, First post

1.00

0.75

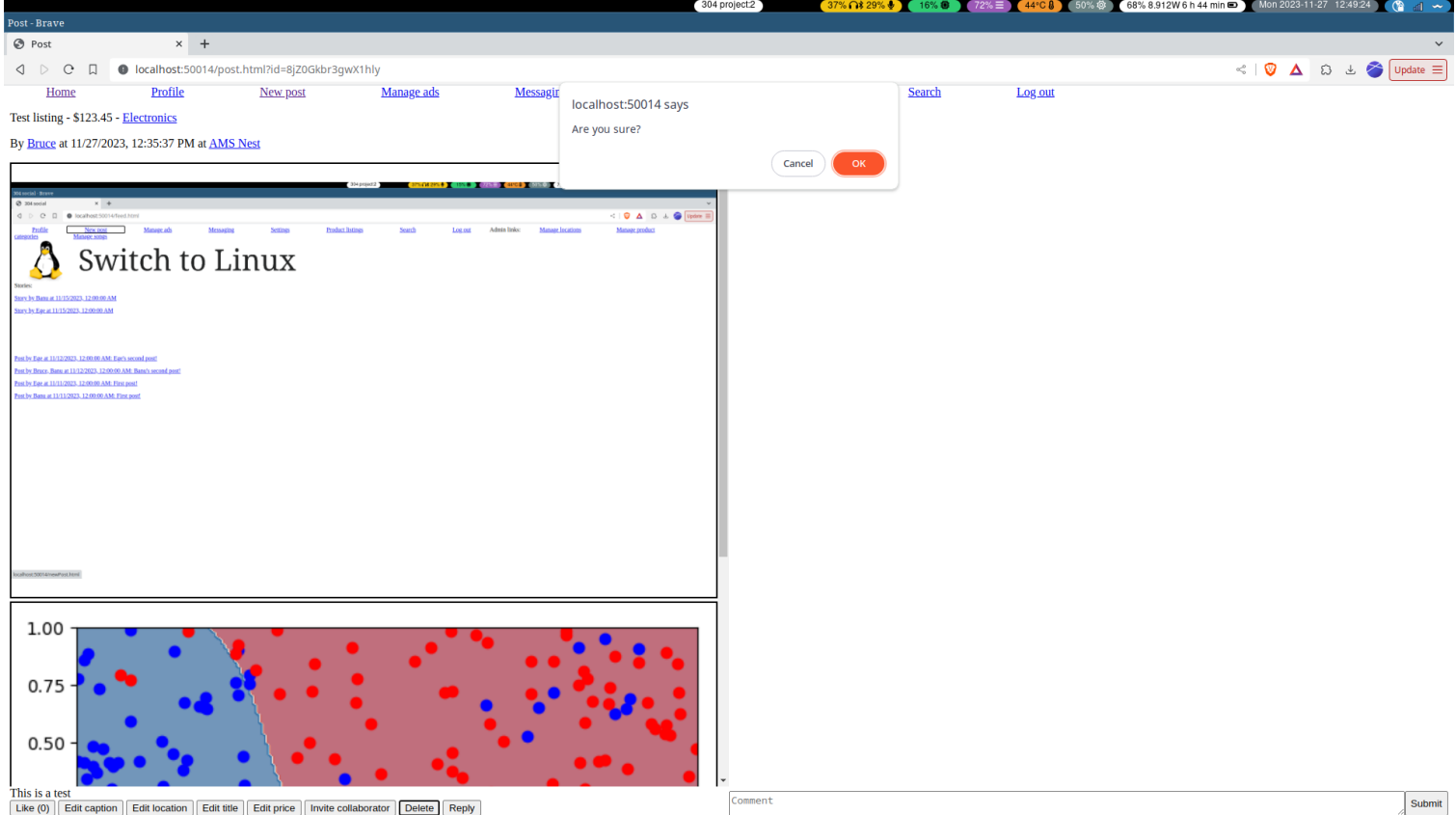
0.50

This is a test

Like (0) Edit caption Edit location Edit title Edit price Invite collaborator Delete Reply

Comment

Submit



After

Posts (1 row removed)

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkI8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'IAwIGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lBr76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

Listings (1 row removed)

Empty

Media (2 rows removed)

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-	'vhDNgXkI8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
	1.1.png'				
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1lBr76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

### UserPosts (1 row removed)

UserID	PostID	"Role"
'lyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'lyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1lMgiQ7xQDb'	2
'lyGj2UbaelBweKAU'	'oTDRs1lMgiQ7xQDb'	1

UserID	PostID	"Role"
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'lyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'lyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJxj2NQ'	'IAwIGZJrHbkRRRJ3F'	2
'VSCpGjK9iXJxj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueeee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1lbR76v1AQ5m3DC'	2

## UPDATE

- appController.js, line 657: `router.post('/updateSong', async (req, res) => {...})`
- appService.js, line 968: `async function updateSong(songId, songData) {...}`

## Before

SongID	"SongTitle"	"Artist"	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## During

## Songs

Song ID	Title	Artist	URL	Actions
xZvNoqcdPMEet2L5	2 kHz	Nobody	/sampleMedia/2khz.mp3	<button>Save</button>
FxWyaDCUk5G409GZ	440 Hz	Nobody	/sampleMedia/440hz.mp3	<button>Save</button>

# Songs

Song ID	Title	Artist	URL	Actions
xZvNoqcdPMEet2L5	newTitle	newArtist	/sampleMedia/2khz.mp3	<button>Save</button>
FxWyaDCUk5G409GZ	440 Hz	Nobody	/sampleMedia/440hz.mp3	<button>Save</button>

Song updated successfully

Close

## After

SongID	"SongTitle"	"Artist"	"URL"
'xZvNoqcdPMEet2L5'	'newTitle'	'newArtist'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## SELECT WHERE

- appService.js, line 1347: `async function search(query, parameters) {...}`
- appController.js, line 1076: `router.post("/search", async(req, res) => {...}`

## Before

## Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

## Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

## ProductCategories



ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

## Zodiac

Empty

## Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKiFYWwYwiK/AlXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJi2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ7TBqZqkQSFuMW18u50zN0yJ2gpxoMHljAcka5l/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

AdShowingID	"Time"	Clicked	AdID	UserID
'1'	2023-11-11	0	'gvHzqXK7PpWeRfTj'	'lyGj2UbaelBweKAU'
'1'	2023-11-11	0	'gvHzqXK7PpWeRfTj'	'VSCpGjK9iXJXj2NQ'

AdShowingID	"Time"	Clicked	AdID	UserID
'1'	2023-11-11	1	'gvHzqXK7PpWeRfTj'	'hLOndHN7ojKxuUpj'

## Songs

SongID	SongTitle	Artist	"URL "
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkI8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'IAwIGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKlMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbr76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL "	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkI8U9EdCaA'	'IyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkI8U9EdCaA'	'IyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'IyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'IyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'IyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'IyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

## ProductCategories

Empty

## Listings


Empty


## Comments

Empty

## During

Search for users using these parameters; unused filters will not be taken into account in the final result

Username:  AND 

Display name:  AND 

Location:  AND 

Birthday:

Search for users using these parameters; unused filters will not be taken into account in the final result

Username:  OR

Display name:  OR

Location:  AND

Birthday:

ege

After

Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

Zodiac

Empty

## Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKiFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJI2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ77TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5I/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

AdShowingID	"Time"	Clicked	AdID	UserID
'1'	2023-11-11	0	'gvHzqXK7PpWeRfTj'	'lyGj2UbaelBweKAU'
'1'	2023-11-11	0	'gvHzqXK7PpWeRfTj'	'VSCpGjK9iXJXj2NQ'
'1'	2023-11-11	1	'gvHzqXK7PpWeRfTj'	'hLOndHN7ojKxuUpj'

## Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueeee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lB76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnlJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
	story.png'				
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty



Messages

Empty

ProductCategories

Empty

Listings

Empty

Comments

Empty

Projection

- appController.js, line 974: `router.post('/getSelectedAttributes', async (req, res) => {...})`
- appService.js, line 1255: `async function getSelectedAttributes(selectedTable, selectedAttributes) {...}`

Before

Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

Zodiac

Empty

Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKIFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJi2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ7TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5l/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

Empty

## Songs

SongID	SongTitle	Artist	"URL "
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	

PostID	"Time"	Expires	Caption	SongID
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'lz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'lAwlGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'Iz8gWxUQAGoLdIaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueeee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwlGZJrHbkRRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueeee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

## ProductCategories

Empty

Listings

Empty

Comments

Empty

During

Select a table

Get Attributes

Get Selected Attributes

☒ USERID☒ USERNAME☒ DISPLAYNAME☐ BIO☐ PASSWORDHASH☒ ISADMIN☒ LOCATIONID☒ BIRTHDAY

USERID	USERNAME	DISPLAYNAME	ISADMIN	LOCATIONID	BIRTHDAY
IyGj2UbaelBweKAU	bruce	Bruce	1	Not set yet	Not set yet
VSCpGjK9iXJXj2NQ	banu	Banu	1	Not set yet	Not set yet
hLOndHN7ojKxuUpj	ege	Ege	1	Not set yet	Not set yet

## After

## Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

## Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

## ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

## Zodiac

Empty

## Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKIFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJi2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ7TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5l/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

Empty

## Songs

SongID	SongTitle	Artist	"URL "
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	

PostID	"Time"	Expires	Caption	SongID
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'lz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'lAwlGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'



MediaID	"URL"	PostID	UserID	"Index"	"Type"
'Iz8gWxUQAGoLdIaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueeee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwlGZJrHbkRRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueeee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

## ProductCategories

Empty

## Listings

Empty

## Comments

Empty

## JOIN

- appController.js, line 416: `router.post('/getPost', async (req, res) => {...}`
- appService.js, line 587: `async function getPost(postID, userID) {...}`

## Before

### Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkI8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'IAwIGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lB76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

### Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpXyMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

### Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	"/sampleMedia/2khz.mp3"
'FxWyADCuk5G409GZ'	'440 Hz'	'Nobody'	"/sampleMedia/440hz.mp3"

## Listings

Empty

ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

During

304 project2

56% 14.29% 16% 73% 40°C 50% 58% 8.395W 6 h 4 min Mon 2023-11-27 14:44:00

304 social - Brave

localhost:5000/feed.html

Profile categories

New post Manage songs

Manage ads

Messaging

Settings

Product listings


Search

Log out

Admin links:

Manage locations

Manage product



# Switch to Linux

Stories:

[Story by Banu at 11/15/2023, 12:00:00 AM](#)

[Story by Ege at 11/15/2023, 12:00:00 AM](#)

[Post by Ege at 11/12/2023, 12:00:00 AM: Ege's second post!](#)

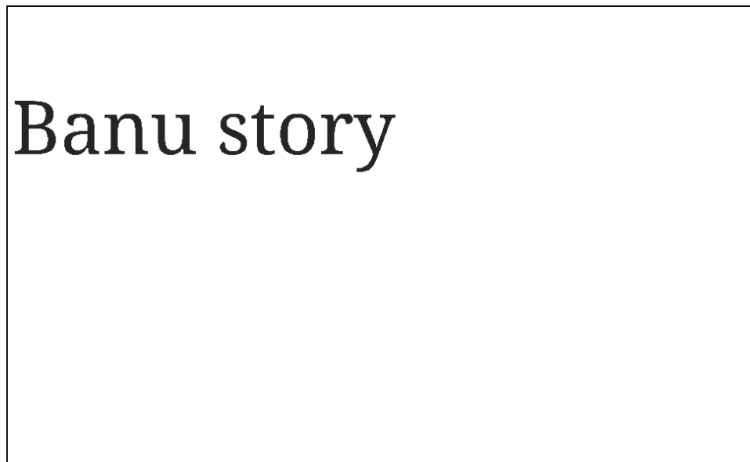
[Post by Bruce\\_Banu at 11/12/2023, 12:00:00 AM: Banu's second post!](#)

[Post by Ege at 11/11/2023, 12:00:00 AM: First post!](#)

[Post by Banu at 11/11/2023, 12:00:00 AM: First post!](#)

localhost:5000/post.html?id=8ky8pURuKIMEI7bt

By Banu at 11/15/2023, 12:00:00 AM  
2 kHz by Nobody



Like (0) Delete Reply Comment Submit

## Returned to GUI (table not modified)

PostID	"Time"	Expires	SongID	SongTitle	Artist
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15	'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'

## GROUP BY

- appService.js, line 1272: `async function getAdClicks(){...}`
- appController.js line 1003: `router.post("/getAdClicks", async(req, res) => {...}`

## Before

## Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

## Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

## ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

## Zodiac

Empty

## Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKiFYWwYwiK/AlXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJI2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ7TBqZqkQSFuMW18u50zN0yJ2gpxoMHljAcka5l/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

Empty

## Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'IAwIGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'IyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'IyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'IyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'IyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'IyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'IyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'

Follower	"Following"
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

## ProductCategories

Empty

## Listings

Empty

## Comments

Empty

## During

**Gets all the ads in and their click count in database using GROUP BY**

Get ad clicks

**Gets all "successful" ads that are above a chosen click rate using HAVING**

Ad click rateGet ads

**Gets all users that have more than average number of posts and have their most recent post later than selected date. "Posts" include listings and stories beside traditional posts.**

2023-01-01Get active users

**Returns the ID of ads that are viewed by all users**

Get viewed ads



Gets all the ads in and their click count in database using GROUP BY

Get ad clicks

Ad ID	Clicks
5Gn5iBvnYKPVrYbG	1
gvHzqXK7PpWeRfTj	2

Gets all "successful" ads that are above a chosen click rate using HAVING

Ad click rateGet ads

Gets all users that have more than average number of posts and have their most recent post later than selected date. "Posts" include listings and stories beside traditional posts.

2023-01-01Get active users

Returns the ID of ads that are viewed by all users

Get viewed ads

# After

## Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

## Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

## ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

## Zodiac

Empty

Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKiFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJI2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ77TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5I/kvm'	1

MessageGroups

Empty

MessageGroupMembers

Empty

Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

AdShowing

Empty

Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnlJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

ProductCategories

Empty

Listings

Empty

Comments

Empty

GROUP BY with HAVING

- appService.js, line 1280: `async function getSuccessfulAds(clickRate) {...}`
- appController.js, line `router.post("/getSuccessfulAds", async(req,res) => {...}`

Before

Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

Zodiac

Empty

Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKIFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJi2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ7TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5l/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

Empty

## Songs

SongID	SongTitle	Artist	"URL "
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	

PostID	"Time"	Expires	Caption	SongID
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'lz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'lAwlGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'Iz8gWxUQAGoLdIaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueeee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwlGZJrHbkRRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueeee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

## ProductCategories



Empty

## Listings

Empty

## Comments

Empty

## During

**Gets all the ads in and their click count in database using GROUP BY**

Get ad clicks

**Gets all "successful" ads that are above a chosen click rate using HAVING**

0.1Get ads

**Gets all users that have more than average number of posts and have their most recent post later than selected date. "Posts" include listings and stories beside traditional posts.**

2023-01-01Get active users

**Returns the ID of ads that are viewed by all users**

Get viewed ads

Gets all the ads in and their click count in database using GROUP BY

Get ad clicks

Gets all "successful" ads that are above a chosen click rate using HAVING

0.1	Get ads		
Ad ID	Total Shows	Total Clicks	Click Rate
5Gn5iBvnYKPVrYbG	1	1	
gvHzqXK7PpWeRfTj	6	2	0.3333333333333333

Gets all users that have more than average number of posts and have their most recent post later than selected date. "Posts" include listings and stories beside traditional posts.

2023-01-01

Get active users

Returns the ID of ads that are viewed by all users

Get viewed ads

## After

## Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

## Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

## ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

## Zodiac

Empty

## Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKiFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJI2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ77TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5l/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

Empty

## Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnlJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

ProductCategories

Empty

Listings

Empty

Comments

Empty

Nested aggregation

- appService.js, line 1291: `async function getActiveUsers(time) {...}`
- appController.js, line 1036: `router.post("/getActiveUsers", async(req, res) => {...}`

Before

Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

Zodiac

Empty

Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKIFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nkUfe1QJJi2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ7TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5l/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

Empty

## Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	

PostID	"Time"	Expires	Caption	SongID
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'lz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'lAwlGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'



MediaID	"URL"	PostID	UserID	"Index"	"Type"
'Iz8gWxUQAGoLdIaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueeee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwlGZJrHbkRRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueeee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

## ProductCategories

Empty

## Listings

Empty

## Comments

Empty

## During

**Gets all the ads in and their click count in database using GROUP BY**

Get ad clicks

**Gets all "successful" ads that are above a chosen click rate using HAVING**

Ad click rate Get ads

**Gets all users that have more than average number of posts and have their most recent post later than selected date. "Posts" include listings and stories beside traditional posts.**

2023-01-01 Get active users

**Returns the ID of ads that are viewed by all users**

Get viewed ads

Gets all the ads in and their click count in database using GROUP BY

Get ad clicks

Gets all "successful" ads that are above a chosen click rate using HAVING

Ad click rate Get ads

Gets all users that have more than average number of posts and have their most recent post later than selected date. "Posts" include listings and stories beside traditional posts.

2023-01-01 Get active users

Username	Total Posts	Latest Post
bruce	5	2023-11-17T08:00:00.000Z
ege	5	2023-11-14T08:00:00.000Z
banu	5	2023-11-15T08:00:00.000Z

Returns the ID of ads that are viewed by all users

Get viewed ads

After

Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

Zodiac

Empty

Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKiFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJI2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ77TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5I/kvm'	1

MessageGroups

Empty

MessageGroupMembers

Empty

Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

AdShowing

Empty

Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnlJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

ProductCategories

Empty

Listings

Empty

Comments

Empty

Division

- appService.js, line 1330: `async function getViewedAds(){...}`
- appController.js, line 1065: `router.post("/getViewedAds" , async(req, res) => {...}`

Before

Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpxYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

Zodiac

Empty

Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKIFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nkUfe1QJJi2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ7TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5l/kvm'	1

## MessageGroups

Empty

## MessageGroupMembers

Empty

## Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

## AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

## AdShowing

Empty

## Songs

SongID	SongTitle	Artist	"URL "
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

## Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	



PostID	"Time"	Expires	Caption	SongID
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnIJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'lz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'lAwlGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'Iz8gWxUQAGoLdIaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueeee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwlGZJrHbkRRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueeee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

## ProductCategories

Empty

## Listings

Empty

## Comments

Empty

## During

**Gets all the ads in and their click count in database using GROUP BY**

Get ad clicks

**Gets all "successful" ads that are above a chosen click rate using HAVING**

Ad click rate Get ads

**Gets all users that have more than average number of posts and have their most recent post later than selected date. "Posts" include listings and stories beside traditional posts.**

2023-01-01 Get active users

**Returns the ID of ads that are viewed by all users**

Get viewed ads

**Gets all the ads in and their click count in database using GROUP BY**

Get ad clicks

**Gets all "successful" ads that are above a chosen click rate using HAVING**

Ad click rate      Get ads

**Gets all users that have more than average number of posts and have their most recent post later than selected date. "Posts" include listings and stories beside traditional posts.**

2023-01-01      Get active users

**Returns the ID of ads that are viewed by all users**

Get viewed ads

- AdID: gvHzqXK7PpWeRfTj

After

Regions

Latitude	Longitude	City	Country
49.2666155	-123.2526006	'Vancouver, BC'	'Canada'
49.2778358	-123.1088227	'Vancouver, BC'	'Canada'
37.6191671	-122.3816108	'Millbrae, CA'	'United States'

Locations

LocationID	LocationName	Latitude	Longitude
'7rvn832cn01z18HA'	'AMS Nest'	49.2666155	-123.2526006
'oqpYMSGyj2z2EbQ'	'Rogers Arena'	49.2778358	-123.1088227
'2P8oHqP0AkcZypRx'	'San Francisco International Airport'	37.6191671	-122.3816108

ProductCategories

ProductCategoryID	ProductCategoryName
'oea24GvBIWyXXsyO'	'Electronics'
'7kjC97fcXbo0tvzN'	'Collectibles'
'WM6Zm3PB8fMTtnjW'	'Vehicles'

Zodiac

Empty

Users

UserID	Username	DisplayName	Bio	PasswordHash	IsAdmin
'lyGj2UbaelBweKAU'	'bruce'	'Bruce'	'CPSC 304 student'	'\$2b\$12\$687MkkgRcOjydCiZaZgpx.gVm5u10cNrKiFYWwYwiK/AIXbMh3OAO'	1
'VSCpGjK9iXJXj2NQ'	'banu'	'Banu'	'CPSC 304 student'	'\$2b\$12\$yD5WWaePc2nKUfe1QJJI2OFImvOixKNLOmPtvFqsv0Luq6VGlc222'	1
'hLOndHN7ojKxuUpj'	'ege'	'Ege'	'CPSC 304 student'	'\$2b\$12\$rHbhSkTmBqQ77TBqZqkQSFuMW18u50zN0yJ2gpxoMHijAcka5l/kvm'	1

MessageGroups

Empty

MessageGroupMembers

Empty

Advertisements

AdID	ImageURL	ClickURL	RemainingViews
'gvHzqXK7PpWeRfTj'	'/sampleMedia/take304.png'	' <a href="https://ubccsss.org/services/courses/cpsc-304/">https://ubccsss.org/services/courses/cpsc-304/</a> '	5
'5Gn5iBvnYKPVrYbG'	'/sampleMedia/useLinux.png'	' <a href="https://fedoraproject.org/">https://fedoraproject.org/</a> '	5

AdRoles

UserID	AdID	"Role"
'lyGj2UbaelBweKAU'	'gvHzqXK7PpWeRfTj'	2
'lyGj2UbaelBweKAU'	'5Gn5iBvnYKPVrYbG'	2
'VSCpGjK9iXJXj2NQ'	'gvHzqXK7PpWeRfTj'	0
'VSCpGjK9iXJXj2NQ'	'5Gn5iBvnYKPVrYbG'	0
'hLOndHN7ojKxuUpj'	'gvHzqXK7PpWeRfTj'	0
'hLOndHN7ojKxuUpj'	'5Gn5iBvnYKPVrYbG'	0

AdShowing

Empty

Songs

SongID	SongTitle	Artist	"URL"
'xZvNoqcdPMEet2L5'	'2 kHz'	'Nobody'	'/sampleMedia/2khz.mp3'
'FxWyaDCUk5G409GZ'	'440 Hz'	'Nobody'	'/sampleMedia/440hz.mp3'

Posts

PostID	"Time"	Expires	Caption	SongID
'vhDNgXkl8U9EdCaA'	2023-11-11		'First post!'	
'icQX8mTGz8MikqmM'	2023-11-12		'Bruce"s second post!'	
'GIMNEZsNvW6Cbhsk'	2023-11-11		'First post!'	
'oTDRs1lMgiQ7xQDb'	2023-11-12		'Banu"s second post!'	
'B2U4rfpslWT8MsLA'	2023-11-11		'First post!'	
'AYVlifYcUJXfnonl'	2023-11-12		'Ege"s second post!'	
'mXo3SLIWcNfM05C3'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'lAwlGZJrHbkRRJ3F'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'X45kel6ueee4AvSq'	2022-01-01	2022-01-02		'xZvNoqcdPMEet2L5'
'0DjFnHijmfErYoFq'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'8ky8pURuKIMEI7bt'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'
'J1lbR76v1AQ5m3DC'	2023-11-15	3023-11-15		'xZvNoqcdPMEet2L5'

## Media

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'zYTe82i0hSKpjSr3'	'/sampleMedia/bruce-1.1.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	1	'image/png'
'kFDzKkxhGyPaafYC'	'/sampleMedia/bruce-1.2.png'	'vhDNgXkl8U9EdCaA'	'lyGj2UbaelBweKAU'	2	'image/png'
'cCbMQsPRZevCiVsd'	'/sampleMedia/bruce-2.1.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	1	'image/png'
'3pAejXSB0jxiVgnx'	'/sampleMedia/bruce-2.2.png'	'icQX8mTGz8MikqmM'	'lyGj2UbaelBweKAU'	2	'image/png'
'Xg2UuTYhrPnzPaOo'	'/sampleMedia/banu-1.1.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'w6gjUI7ggInvZ95Z'	'/sampleMedia/banu-1.2.png'	'GIMNEZsNvW6Cbhsk'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'NOgsgHwJGKOufAWg'	'/sampleMedia/banu-2.1.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'5XI0sVa887F1ZY78'	'/sampleMedia/banu-2.2.png'	'oTDRs1lMgiQ7xQDb'	'VSCpGjK9iXJXj2NQ'	2	'image/png'
'ijAlQXkbaEkaBDLp'	'/sampleMedia/ege-1.1.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	1	'image/png'
'KLvaztnlJ4zcRkwV'	'/sampleMedia/ege-1.2.png'	'B2U4rfpslWT8MsLA'	'hLOndHN7ojKxuUpj'	2	'image/png'
'BwTtp0so3ndoIMiY'	'/sampleMedia/ege-2.1.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	1	'image/png'
'AYWfV0OIHuZ8hHQ9'	'/sampleMedia/ege-2.2.png'	'AYVlifYcUJXfnonl'	'hLOndHN7ojKxuUpj'	2	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/bruce-expired.png'	'mXo3SLIWcNfM05C3'	'lyGj2UbaelBweKAU'	1	'image/png'
'69PWfAV1KqgZKJr3'	'/sampleMedia/bruce-story.png'	'0DjFnHijmfErYoFq'	'lyGj2UbaelBweKAU'	1	'image/png'

MediaID	"URL"	PostID	UserID	"Index"	"Type"
'pJnDsAZErHe8JXyD'	'/sampleMedia/banu-expired.png'	'IAwIGZJrHbkRRJ3F'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'R5KmmtxsgvcZTCJf'	'/sampleMedia/banu-story.png'	'8ky8pURuKIMEI7bt'	'VSCpGjK9iXJXj2NQ'	1	'image/png'
'Iz8gWxUQAGoLdlaY'	'/sampleMedia/ege-expired.png'	'X45kel6ueee4AvSq'	'hLOndHN7ojKxuUpj'	1	'image/png'
'ixqe1AOY8mj8gwTp'	'/sampleMedia/ege-story.png'	'J1IbR76v1AQ5m3DC'	'hLOndHN7ojKxuUpj'	1	'image/png'

## Likes

Empty

## UserPosts

UserID	PostID	"Role"
'IyGj2UbaelBweKAU'	'vhDNgXkl8U9EdCaA'	2
'IyGj2UbaelBweKAU'	'icQX8mTGz8MikqmM'	2
'VSCpGjK9iXJXj2NQ'	'icQX8mTGz8MikqmM'	0
'hLOndHN7ojKxuUpj'	'icQX8mTGz8MikqmM'	0
'VSCpGjK9iXJXj2NQ'	'GIMNEZsNvW6Cbhsk'	2
'VSCpGjK9iXJXj2NQ'	'oTDRs1IMgiQ7xQDb'	2
'IyGj2UbaelBweKAU'	'oTDRs1IMgiQ7xQDb'	1
'hLOndHN7ojKxuUpj'	'B2U4rfpslWT8MsLA'	2
'hLOndHN7ojKxuUpj'	'AYVlifYcUJXfnonl'	2
'IyGj2UbaelBweKAU'	'mXo3SLIWcNfM05C3'	2
'IyGj2UbaelBweKAU'	'0DjFnHijmfErYoFq'	2
'VSCpGjK9iXJXj2NQ'	'IAwIGZJrHbkRRJ3F'	2
'VSCpGjK9iXJXj2NQ'	'8ky8pURuKIMEI7bt'	2
'hLOndHN7ojKxuUpj'	'X45kel6ueee4AvSq'	2
'hLOndHN7ojKxuUpj'	'J1IbR76v1AQ5m3DC'	2

## Follows

Follower	"Following"
'IyGj2UbaelBweKAU'	'VSCpGjK9iXJXj2NQ'
'IyGj2UbaelBweKAU'	'hLOndHN7ojKxuUpj'
'VSCpGjK9iXJXj2NQ'	'hLOndHN7ojKxuUpj'
'hLOndHN7ojKxuUpj'	'VSCpGjK9iXJXj2NQ'

## Blocks

Empty

## Messages

Empty

**ProductCategories**

Empty

**Listings**

Empty

**Comments**

Empty