PROJECT TITLE- MOCK FRIENDS

PROJECT NO. -2C

MEMBERS:-
1. **SHUBHAM GARG - 15114068**
2. **SHUBHAM RAJ -15114069**
3. **SUDHANSHU SAMBHARYA - 15114071**
4. **SHINY JOHN SHAJU - 15114060**
5. **Ujjawal Prasad - 15114074**

LIST OF QUERIES USED IN THE PRODUCTION PHASE

clasroomfriends.sql : link

- When someone registers on Mockfriend
  - First, following query is run to check whether user already exists in database or not
    Select count(email) from users where email = "sudhanshu@gmail.com";
    If query returns 1 user is notified that email id is already being used, else following query is run to add entry to database:
  - INSERT INTO users VALUES ("sudhanshu@gmail.com","Sarah Cruiz","hellopeople",'30/12/1999', "Male", "Roorkee", "India", "Dancer", "tagline", "123.png","pewwes.png", 0, 1);
- When logging in
  - Suppose user enters sarah@gmail.com as email and 'hellopeople' password, (i.e. right credentials)then
    Select count(email) from users where email = "sarah@gmail.com" and password = "hellopeople";
    gives 1 which means given values are correct and user is logged in.
  - Suppose user enters sarah@gmail.com as email and 'hipeople' password, (i.e. wrong credentials)then
    Select count(email) from users where email = "sarah@gmail.com" and password

= "people";

gives 0 which means given inputs are incorrect and user is not logged in.

- Editing Profile
    - UPDATE users
      SET
        name = "Sudhanshu Sambharya",
        dob = "18/03/1996",
        city = "Roorkee",
        country = "India"
      where email = "sudhanshu@gmail.com";
- Adding new Interest
    - Insert into Interests values ("Music","sudhanshu@gmail.com");
- Deleting Interest
    - Delete from Interests where email = "sarah@gmail.com" and Interest = "Music";
- Editing Password
    - First user's present password is matched for security purposes:
      select count(email) from users where email = "sudhanshu@gmail.com" and
      password = "hellopeople";
      If query result is 1, then password is updated, else user is alerted "Wrong
      Password"
    - Query to update password:
      Update users
      SET
        password = "hipeople"
      where email = "sudhanshu@gmail.com";
- Editing Settings
    - Settings are saved for two users, i.e. access rights for user2 on
      articles/messaging etc. of user1.
      Update settings
      SET
        enablefollow = 1,
        sendNotifications = 1,
        enableTagging = 0,
        enableTextMessages = 0
      where email1 = "sarah@gmail.com" and email2 = "shubhi@gmail.com";
- Editing Work
    - Adding new work:
      Insert into work values ("Data Analyst","sarah@gmail.com","Goldman
      Sachs","20/09/17 13:05",NULL,"Data analyse krta hun");
    - Deleting a work:
      Delete from work where email1 = "sarah@gmail.com" and designation = "Data
      Analyst" and company = "Goldman Sachs";

- Editing Education
  - Adding new Education:
    Insert into Education values ("sharma_s@gmail.com","MIT","15/12/17 00:00:00",NULL,"CSE Post-graduate");l
  - Deleting an Education:
    Delete from Education where email1 = "sharma_s@gmail.com" and universityName = "MIT";
- Chat Messages between two users with timestamp
  - Select * from sentmessage where (email1 = "sarah@gmail.com" and email2 = "shubhi@gmail.com") or (email1 = "shubhi@gmail.com" and email2 = "sarah@gmail.com") order by messageTimestamp;
- Friend List of a user with timestamp
  - (select email2,friendsSince from Friends where email1 = "sarah@gmail.com") union
    (select email1,friendsSince from Friends where email2 = "sarah@gmail.com");
- Mutual friends of two users
  - SELECT email,name from users where email in (SELECT email2 from friends where email1 = "shubhi@gmail.com" and email2 in (SELECT email2 from friends where email1="sharma_s@gmail.com" union SELECT email1 from friends where email2="sharma_s@gmail.com")
    union
    SELECT email1 from friends where email2 = "shubhi@gmail.com" and email1 in (SELECT email2 from friends where email1="sharma_s@gmail.com" union SELECT email1 from friends where email2="sharma_s@gmail.com"));
- All articles of a user
  - Select * from article where email1 = "sarah@gmail.com";
- Name and email of users who liked a particular article
  - Select email,name from users where email in (select email1 from articleliked where articleid = "3333222277777777");
- Name,email and comments with timestamp of users who have Commented on a particular article
  - Select name,email, Comment, CommentTime from commentedon natural join users where articleid = "123222222222333" order by CommentTime;
- Name and email of users with view timestamp who viewed a particular article
  - Select name,email,ViewTime from viewed natural join users where articleid = "123222222222333" order by ViewTime;
- Name and email of friends who are online
  - Select name,email from users where isActive = 1 and email in (select email2 from friends where email1 = "sarah@gmail.com" union
    select email1 from friends where email2 = "sarah@gmail.com");
- Name and email of nearby users (who are not your friends on MockFriends and in same city)

- - Select name,email from users where city = "Roorkee" and email not in (select email2 from friends where email1 = "sarah@gmail.com" union
  select email1 from friends where email2 = "sarah@gmail.com") and email <> "sarah@gmail.com";
- Followers of a user
  - Select name,email from users where email in (select email1 from settings where email2="jyotiprabhu@gmail.com" and enablefollow = 1);
- Articles in the newsfeed of a particular user
  - Articles of those users are to be added to newsfeed who are followed by this user
    Select * from article where email1 in (select email2 from settings where email1 = "sharma_s@gmail.com");