

# **Database Systems**

## **Lab**

### *Section 4A*

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# **Social Interaction App**

## **Introduction:**

The Social Interaction System is an application designed to provide a platform for users to connect, share ideas, and build meaningful relationships. It caters to individuals seeking a convenient and engaging space for social interaction.

## **Functionalities:**

### **1.User Signup:**

1. Users can register with basic information like name, email, and password.
2. A user profile stores details like bio, location, occupation, and interests.

### **2. User Login:**

1. User can login with his username and password.

### **3.Friendship System:**

1. Users can send and accept friend requests.
2. Users can view their list of friends and manage connections.
3. Users can interact with friends through private messages

and group chats.

#### **4.Post Management:**

1. Users can create and share text-based posts.
2. Posts include a timestamp and reference the user who created them.
3. Users can like and comment on posts from themselves and their friends.

#### **5.Messaging System:**

1. Users can engage in private conversations with friends through direct messaging.
2. Users can create group chats to communicate with multiple friends simultaneously.

#### **6.Profile Management:**

1. A dedicated profile section allows users to view and edit their personal information.
2. The profile displays details like bio, location, occupation, and interests.
3. It also showcases the user's posts, likes, and comments activity.

#### **7.Timeline:**

1. Each user has a personalized timeline showcasing their posts and those from their friends in chronological order.

#### **8.Search Functionality:**

1. Users can search for other users, posts, and groups based on keywords and filters.

## **9. User Management:**

1. Enables users to create and edit detailed profiles with information like bio, location, occupation, and interests.
2. Users can manage their account details and privacy settings.