

General Overview of the System:

These are some of the general features of the system:

1. **User Registration:** Users can sign up by providing their name, password, email, city, and timezone. The system assigns a unique user ID (usr) to each user.
2. **User Login:** Registered users can log in using their user ID and password. Upon successful login, they can access their personalized feed.
3. **Compose Tweet:** Users can compose and post tweets. Tweets can optionally be replies to other tweets.
4. **Follow and List Followers:** Users can follow other users, view their followers, and see who is following them.
5. **Search Tweets:** Users can search for tweets containing specific keywords, and the system returns relevant tweets.
6. **Search Users:** Users can search for other users based on their names or cities.
7. **View More Details:** Users can view additional details about other users, their tweets, and perform actions like following them.

User Guide:

1. **User Registration:**
 - a. When you run the script, you will be prompted to input the name, password, email, city, and timezone.
 - b. After registration, you can choose to log in by typing "Y" or "N" when prompted.
2. **User Login:**
 - a. You can log in with your user ID and password.
 - b. If you fail three times then it will automatically stop the login process.
 - c. If you successfully log in, you will see your personalized feed with tweets from users you follow.
 - d. You can then select one of the following tweets and see more information about them
3. **Compose Tweet:**
 - a. In the main menu, choose option 3 to compose a tweet.
 - b. Enter your tweet text, and it will be posted to your feed.
 - c. Optionally, you can reply to another tweet by specifying its tweet ID.
4. **List Followers:**
 - a. In the main menu, choose option 4 to list your followers.
 - b. You can see the usernames and names of users who follow you.
 - c. You can select a follower to see more details about them.
5. **Search Tweets:**
 - a. In the main menu, choose option 1 to search for tweets.
 - b. You can enter keywords to filter tweets, and the system will display relevant tweets.
 - c. You can also choose to see more details about a specific tweet.
6. **Search Users:**
 - a. In the main menu, choose option 2 to search for other users.
 - b. You can enter keywords to search for users based on their names or cities
 - c. You can select a user to see more details about them.
7. **Log Out:**
 - a. On the selection screen, you can log out by choosing option 5 in the main menu.