Scenario: Group of Friends Communicating

1. **Server Setup:**

   - Run the server program on a designated computer.

   Ensure the server is listening on localhost.

2. **Client Setup:**

   - Each student (client) will run the client program on their terminal.

   Students will use unique user IDs (e.g., 1, 2, 3, 4, 5) when logging in.

3. **Actions for Clients:**

   - **Client 1 (UserID: 1 - User: Ali Ates):**

     - List Contacts: Should initially show an empty contact list.

       Add User: Add User 2 (Derin Deniz) and User 3 (Demir Bilek).
       Send Message: Send a message to User 2 saying "Hey, how's it going?".
       Check Messages: Should check for new messages.

   - **Client 2 (UserID: 2 - User: Derin Deniz):**

     - List Contacts: Should initially show an empty contact list.

       Add User: Add User 1 (Ali Ates) and User 3 (Demir Bilek).
       Send Message: Send a message to User 1 saying "Not much, just studying. You?".
       Check Messages: Should check for new messages.

   - **Client 3 (UserID: 3 - User: Demir Bilek):**

     - List Contacts: Should initially show an empty contact list.

       Add User: Add User 1 (Ali Ates) and User 2 (Derin Deniz).
       Send Message: Send a message to User 1 saying "I'm good. Let's plan something for the weekend!".
       Check Messages: Should check for new messages.

   - **Client 4 (UserID: 4 - User: New User):**

     - List Contacts: Should initially show an empty contact list.

       Add User: Add User 1 (Ali Ates).
       Send Message: Try sending a message to User 2 (Derin Deniz).

Check Messages: Should check for new messages.

- **Client 5 (UserID: 5 - User: Another User):**

  - List Contacts: Should initially show an empty contact list.

    Add User: Add User 3 (Demir Bilek).
    Send Message: Try sending a message to User 1 (Ali Ates).
    Check Messages: Should check for new messages.