

# CS551 Advanced Software Engineering

## LAB ASSIGNMENT #1

### 1.UML Class Diagram Explanation for **Chat application**

#### **Step:1**

Based on the given explanation identified various classes accordingly as follows

- User
- Account
- Contacts
  - Friends
  - Groups
- Message
  - Text
  - Images
  - Videos
  - Location

Then identified various attributes and methods accordingly.

#### **Step:2**

Identified the relationships between classes as shown in the figure.

Assumptions made:

Since all the methods in **Friends** and **Groups** classes are similar **Contacts** class is made as super class for them.