**Tables and Attributes (Chat Application Schema)**

1. **User**: userID (PK), name, mobile, email, profilePicPath, status, designation, orgID (FK), registerDate, lastLogin, createdBy, updatedBy, createdAt, updatedAt, password
2. **Message:**  chatID (PK), datetime, status, forwardedChat, status, createdBy, updatedBy, createdAt, updatedAt
3. **Chat:** chatID(PK), members, status, admin, chatName, ChatDescription, isGroupChat, createdBy, updatedBy, createdAt, updatedAt
4. **ChatParticipant:** participantID (PK), chatID (FK), userID (FK), status, addedAt
5. **ChatList:** listID (PK), userID (FK), chatID (FK)
6. **Text:** textID (PK), chatID (FK), contentID (unique), text, createdBy, updatedBy, createdAt, updatedAt
7. **File:** fileID (PK), chatID (FK), contentID (unique), filePath, actualName, newName, fileType, createdBy, updatedBy, createdAt, updatedAt
8. **Location:** locationID (PK), chatID (FK), contentID (unique), addressID (FK), createdBy, updatedBy, createdAt, updatedAt
9. **Meeting:** meetingID (PK), chatID (FK), contentID (unique), title, purpose, description, date, time, duration, location, videoCallLink, createdBy, updatedBy, createdAt, updatedAt
10. **Payment:** paymentID (PK), chatID (FK), contentID (unique), amount, dateOfPayment, refNo, bankName, createdBy, updatedBy, createdAt, updatedAt
11. **CallUp:** callID (PK), chatID (FK), contentID (unique), type, duration, status, createdBy, updatedBy, createdAt, updatedAt

**Tables and Relationships**

1. **User** --- One-to-Many --- **ChatParticipant**
2. **User** --- One-to-Many --- **ChatList**
3. **Chat** --- One-to-Many --- **ChatParticipant**
4. **Chat** --- One-to-Many --- **ChatList**
5. **Chat** --- One-to-Many --- **Text**
6. **Chat** --- One-to-Many --- **File**
7. **Chat** --- One-to-Many --- **Address**
8. **Chat** --- One-to-Many --- **Meeting**
9. **Chat** --- One-to-Many --- **Payment**
10. **Chat** --- One-to-Many --- **CallUp**
11. **ChatParticipant** --- Many-to-One --- **User**
12. **ChatParticipant** --- Many-to-One --- **Chat**
13. **ChatList** --- Many-to-One --- **User**
14. **ChatList** --- Many-to-One --- **Chat**
15. **Text** --- Many-to-One --- **Chat**
16. **File** --- Many-to-One --- **Chat**
17. **Address** --- Many-to-One --- **Chat**
18. **Meeting** --- Many-to-One --- **Chat**
19. **Payment** --- Many-to-One --- **Chat**
20. **CallUp** --- Many-to-One --- **Chat**

**Linkages Between Tables with Primary and Foreign Keys**

1. **User** (userID - Primary) --------> **ChatParticipant** (userID - Foreign)
2. **User** (userID - Primary) --------> **ChatList** (userID - Foreign)
3. **Chat** (chatID - Primary) --------> **ChatParticipant** (chatID - Foreign)
4. **Chat** (chatID - Primary) --------> **ChatList** (chatID - Foreign)
5. **Chat** (chatID - Primary) --------> **Text** (chatID - Foreign)
6. **Chat** (chatID - Primary) --------> **File** (chatID - Foreign)
7. **Chat** (chatID - Primary) --------> **Address** (chatID - Foreign)
8. **Chat** (chatID - Primary) --------> **Meeting** (chatID - Foreign)
9. **Chat** (chatID - Primary) --------> **Payment** (chatID - Foreign)
10. **Chat** (chatID - Primary) --------> **CallUp** (chatID - Foreign)
11. **ChatParticipant** (userID - Foreign) --------> **User** (userID - Primary)
12. **ChatParticipant** (chatID - Foreign) --------> **Chat** (chatID - Primary)
13. **ChatList** (userID - Foreign) --------> **User** (userID - Primary)
14. **ChatList** (chatID - Foreign) --------> **Chat** (chatID - Primary)
15. **Text** (chatID - Foreign) --------> **Chat** (chatID - Primary)
16. **File** (chatID - Foreign) --------> **Chat** (chatID - Primary)
17. **Address** (chatID - Foreign) --------> **Chat** (chatID - Primary)
18. **Meeting** (chatID - Foreign) --------> **Chat** (chatID - Primary)
19. **Payment** (chatID - Foreign) --------> **Chat** (chatID - Primary)
20. **CallUp** (chatID - Foreign) --------> **Chat** (chatID - Primary)