RDBMS based schema:

Tables:

1.Member
> MId (PK)
> PhoneNumber

2.Groups
> GId(PK)
> Name
> NumberOfMembers

3.GroupToMember
> GId (FK to Groups.Id)
> MId (FK to Member.MId)

4.Data
> MSGId (PK)
> GId (FK to Groups.GId)
> MId   (FK to Member.MId)
> ParentMsg(Caters to Reply function in the chat)
> Message
> TimeStamp

Schema Design

GROUPS

1-GROUP 1

2-GROUP 2

```
GID
Name
Number
```

DATA:

1. GID   MSGID   ~~GID~~ ParentMSg   Message   Time   MID

2. GID   MSGID   ParentMSg   Message   Time   MID

GROUP TO MEMBERS

1. | GID | MID |

2. | GID | MID |

3. | GID | MID |

4. | GID | MID |

5. | GID | MID |

MEMBER 1

MEMBER 2

MEMBER 3