

### Sample Db data format for Real-Time Group Chat Application:

```
{
  user1: 1
  user2: 2

  msgs: [
    {
      body: "hello",
      type: 0 // incoming,
      timestamp: 12312434
    },
    {
      body: "hello 3",
      type: 1 // outgoing,
      timestamp: 1231244234
    },
    {
      body: "hello 7362891",
      type: 0 // incoming,
      timestamp: 123124234
    }
  ]
}
```

```
,
{
  user1: 1 //3
  user2: 3 //1
  user : {1,3}

  msgs: [
    {
      // user : 1,
      body: "hello",
      type: 1 // incoming,
      timestamp: 12312434
    },
    {
      body: "hello 3",
      type: 2 // outgoing,
      timestamp: 1231244234
    },
    {
      body: "hello 7362891",
      type: 1 // incoming,
      timestamp: 123124234
    }
  ]
}
```

```

},
{
  //user1: 1 //3
  // user2: 3 //1
  user : {1,3,5,8,12,14}

  msgs: [
    {
      user : 1,
      body: "hello",
      type: 0 // all
      timestamp: 12312434
    },
    {
      user = 2,
      body: "hello 3",
      type: 0 // all,
      timestamp: 1231244234
    },
    {
      user=14,
      body: "hello 7362891",
      type: 0 // all,
      timestamp: 123124234
    },
  ]
}

```

#### Used socket.io :

Socket.IO is a JavaScript library that helps improving work with WebSockets. It consists of two parts – server part (for Node. JS) and clients part (for web browsers). ... Socket.IO allows to use additional features such as sending data to large number of sockets at the same time (broadcasting) or storing the data.