1. **Users Collection**

Each user should have a dedicated document containing their personal information, settings, and references to other important collections or documents.

```
**Collection**: `users`

**Document**: `{userId}`

**Fields**:
- `username`
- `email`
- `profilePicUrl`
- `createdAt`
- `channels` (Array of channel-Id´s)
```

2. **Channels Collection**

This collection will store data about each channel. Each document in the channels collection represents a single channel.

```
**Collection**: `channels`

**Document**: `{channelld}`

**Fields**:
- `name`
- `description`
- `createdAt`
- `createdBy` (Reference to user document)
- `members` (Array of userIds)
```

3. **Threads Collection**

Each channel can have multiple threads. Threads are grouped under their respective channels. Threads can be a separate collection that references the channels. Messages can be stored in a subcollection under each thread. This allows you to load messages only for a specific thread, optimizing data retrieval.

- `text`
- `createdAt`
- `sentBy` (Reference to user document)
- `type` (text, image, etc.)

4. **Direct Messages Collection**

Direct Messages between users can be modeled similar to threads but without a channel association. Each set of users having a DM can have a unique document.