

Project - Phase 1: ER Diagram

Assumptions Made:

- Chats must ALWAYS have at least 1 receiver (i.e. the initial sender may not delete all receivers from the chat)
- Chat ID is necessary to uniquely identify each chat. (Do not use receiver/sender tuple as primary key in order to allow both a private chat and a group chat between two users at the same time)
- Each Message must belong in a single Chat.
- Every Message in a Chat may be deleted by the respective senders (i.e. there may be a chat with no messages if the users decide to delete every message they have sent in it)

