

Database Management CS166

Project – Online Messaging

Phase 1 – ER Diagram

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#### Assumptions Made:

1. We assume that when an empty contact list is associated with the users account that a blocked list will be associated with that user also.
2. We assume the login will be unique.
3. Based on the receiver and sender, a user will have a list of chats associated with it.
4. For Chat, we don't have a unique identifier, so we will add a ChatID.
5. Every chat will have exactly one sender associated with it.
6. Every chat will have at least one receiver associated with it.
7. Every chat will have at least one msg associated with it.
8. Every message will have exactly one chat.
9. Every message will have exactly one sender associated with it.
10. Every message will have at least one receiver associated with it.
11. Status message is an attribute of the user and is not associate with Message Status on Message – question about that.

