

CS 452

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Project schema

- User - store all user data having relationships to ChatRoom & Message tables.
 - ID - Primary key, uniquely identifies users
 - Name - The user's screen name
 - Age - The user's age
 - Email - The user's email address
 - Phone - The user's phone number
 - Infractions - The number of times this user has had their messages auto sent
 - Created - When the user's account was created
- ChatRoom - store all user created chat rooms
 - ID - Primary key, unique identifier for the Chat Room
 - Name - User given name for the Chatroom
 - Created - Date the chatroom was created
- ChatRoomUser - correlate chat rooms and users
 - ID - Primary key, unique identifier for the ChatRoomUser
 - ChatRoomID - Foreign key, references ID on table ChatRoom
 - UserID - Foreign key, references ID on table User
- Message - store all messages users have
 - ID - Primary key, unique identifier for the message
 - UserID - Foreign key, references ID on User table
 - ChatRoomID - Foreign key, references ID on ChatRoom table
 - Content - The content of the message
 - Created - When the message was sent

This schema satisfies some aspects of normalization, including the following:

- Each set of related data has its own table
- There are no repeating groups in individual tables
- Every table has a primary key