Group 3: Social Media Database

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Social Media database design consists of 15 tables like Category, Chat, Comment, FriendRequest, GroupMember, GroupMessage, GroupMessageSeen, Groups, Image, LikeByUser, Location, Master, Post, Tags and Users.

- User table has data of users like userid, name, address, email, phone, date of birth, account creating date, gender, status and account visibility (Private of public).

- Post table stores data related to post like postID, title, description, post category, like, post date and post userid.

- Category table stores category name and category id which can be used while posting something.

- Tags table is used to store tag id, post id and userid which are being tagged in post.

- Master table consist of some values like gender, visibility, Message seen or not. Value of masterid can be referenced to any other tables.

- LikebyUser table stores data of postid and userid who like to particular post.

- Comment table is used to store information of users commented on particular post.

- Friendrequest table is used to check whether friend request is accept or not. If request is accepted then friendstatus will be 1 and if it is not accepted then by default its value will be 0. It also stores the data and time when request was accepted.

- Location table has value of different city, state and country so that we can use location id into users table.

- Image table is created because sometimes user will upload more than one photo so that post id is referenced to this image table for each photo and we can easily know that which user has posted how many photos.

- Groups table stores the record of group name, description, owner of group and group created date.

- Chat table stores the record of chat between two friends.

- GroupMember table stores the data like which user is in which group.

- GroupMassage table is used to store the chat record of different groups.

- GroupMessageSeen table is used to check that which user has seen message and which user has sent message.