

Consider modeling a social media network. In it, there are users that have id, name, and city. Every user belongs to at least one group. Each group has a unique id, name, and description. Users can be friends with other users, where a user could have introduced them to each other. Each user can have zero or more posts, where for each post we want to store the unique post id, date, and text of the post. Each post could be liked by zero or more users.