Team 24
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DATABASE DESIGN

Explanation for each entity set and relationship, write a short description in plain English of what it represents or models

Entity sets:

1. User: has ID number (unique), email, username, password, points, created_at, and avatar_url (image url). Stores user data
2. Post: has ID number (unique), title, content, number of comments, created_at, and updated_at. Points are same as votes. Stores Post data
3. Comment: has ID (unique), content, created_at, and updated_at. Stores comment data in a Post.
4. Channel: has ID (unique), name, and banner_url(image banner). Channel is also represented by unique id. Stores channel data

Relationships:

1. Owns: has a channel_id and user_id. Stores who owns which channels
2. Moderates: has a channel_id and user_id. Stores who moderates which channels
3. Subscribes: has a channel_id and user_id. Stores who subscribes to which channels
4. Contains: has a channel_id and post_id. Stores which channels contain which posts
5. Create_Post: has post_id, user_id, and points. Stores which posts are created by which users. Also stores the number of points a post has.
6. Create_Com: has comment_id, user_id, and points. Stores which comments are created by which users. Also stores the number of points a comment has.
7. Vote_Post: has post_id, user_id, and up_down. Stores which posts are voted up or down by which users
8. Vote_Com: has comment_id, user_id, and up_down. Stores which comments are voted up or down by which users
9. Save: has user_id and post_id. Users can share a post to save it so that they can read the post again later.

10. Has: has post_id (parent) and comment_id (child). Stores which posts have which comment replies
11. Has_Com: has comment_id1 (parent) and comment_id2 (child). Stores which comments have which comment replies