**University Social Network Database System**

A university social networking site provides a variety of opportunities for students, professors, employers and groups to facilitate communication, information sharing, collaboration, and entertainment. The users can post their information and other users can like, comment and collaborate on the post. Users can also use it as a marketplace or discuss accommodation availability or requirements.

Below is the **list of entities** for the final ERD.

* User
* Student
* Professor
* Employer
* Group
* Major
* Item
* Posts
* Comment
* PostLike
* CommentLike

**Importance of Entities:**

1. Students, Professors, Employers, Groups are different users who can post and collaborate on what others have posted.
2. Users from the same major can discuss their interests.
3. Users can post the item they want to sell or give away.
4. Users can post on the platform and can interact by commenting on the post and liking the post and comment.
5. Users can post something in the picture format.

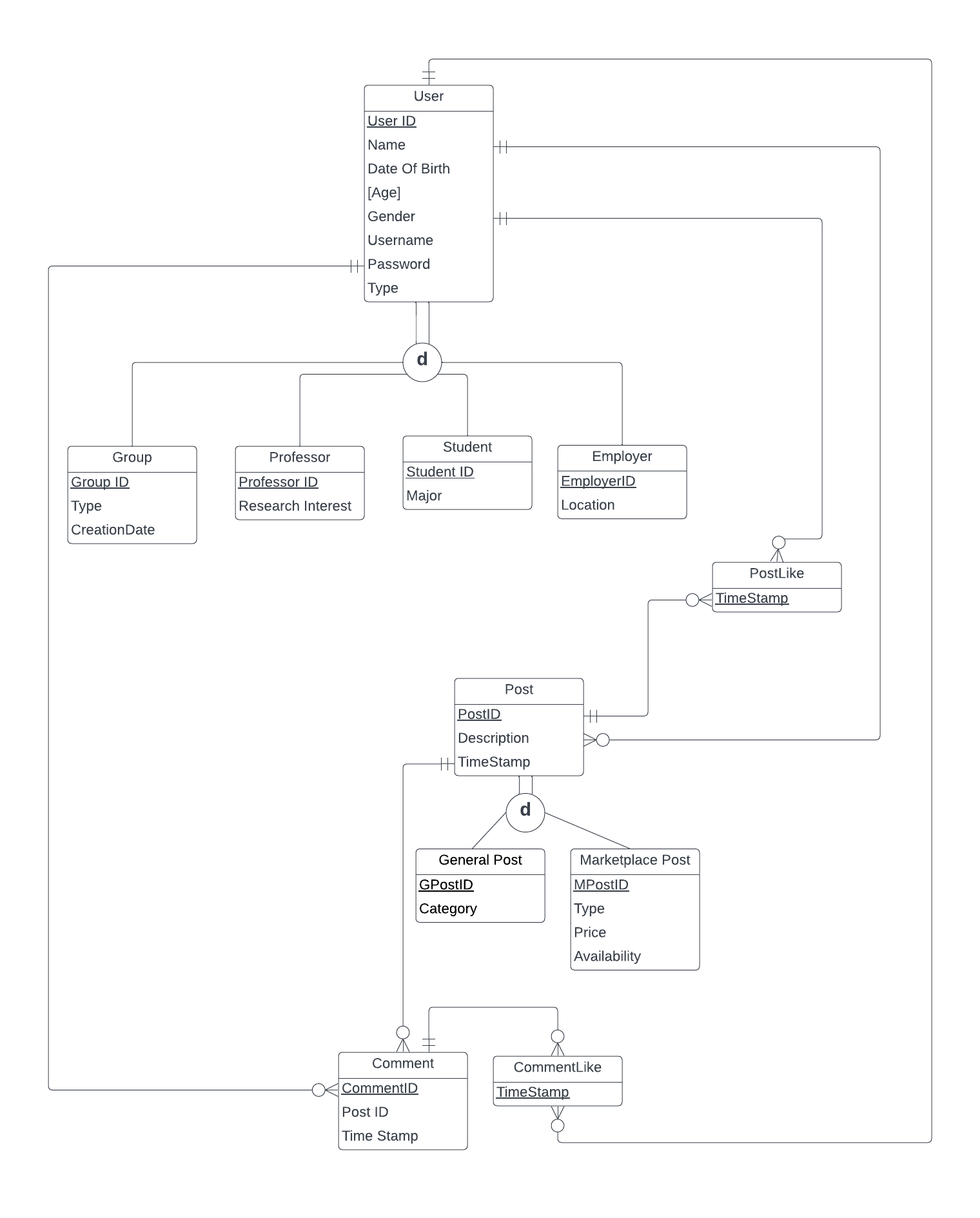
**Relations and Key Decisions:**

1. As explained earlier, Students, Professors, Employers, Groups are different users who can post and collaborate on what others have posted.
2. Users is a generalized entity with subtypes : Group, Student, Professor, Employer -> All these can create/like posts, put comments and reply
3. Each Post can be liked by many users, each Post can have multiple comments made by users and each comment can have multiple comment likes made by users.
4. A group can have a user account of its own where it can post, comment, like related to a specific topic
5. Each student and professor will be under a major. Each professor can teach many courses and each major can have many professors.
6. General Post has the following unique attributes.

Category: This could be a dropdown list or a set of checkboxes that allows the user to specify the topic or theme of their post, such as sports, music, politics, events, or personal stories.

1. Items that users would like to sell should be posted as a part of the Marketplace Post. A general post can not be a Marketplace post.

**ER Diagram**

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