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Three entities are in my social media ERD: users, posts, and replies. Users have a zero to many relationship with Posts, a zero to many relationships with Replies, and a zero to many relationships with User. Users have a username and password, a date created, as well as follows and followers data. I opted to include both follows and followers because while all information is technically stored with only a Follows field, it is tedious to search all users to see a list of all users that follow a specific user. When a user follows another, it should include the target User in the current User's table in Follows, as well as update the target User's followers field to solve this issue.

Posts have a zero to many relationship with replies. Posts have varchar content of up to 500 characters (to possibly compete with Twitter!), as well as a foreign key for the User's user_id that posted it, as well as a date posted saved. Posts may feature media including images or videos by posting a link in the content field and having the front end embed the image or video as the post content.

Replies have relationships with Posts and Users. A post may have zero to many replies, and a user may post zero to many replies on other posts. Reply has a foreign key post_id that determines which Post it is a reply under. It also has a foreign key user_id to determine which user posted that reply. Replies have a content of varchar(500) similar to Posts, and also a date posted field.