Mitchell Bath

Four entities are in my social media ERD: USER, REPLY, POST, FOLLOW. Users have a zero to many relationship with POST, a zero to many relationships with REPLY, a zero to many relationship with FOLLOW and a zero to many relationships with USER. Users have a username and password, a date created, as well as follows and followers data. USER follows USER, USEr writes REPLY on POST, and USER writes POST.

POST have a zero to many relationship with REPLY. POST have varchar content of up to 500 characters (to possibly compete with Twitter!), as well as a foreign key for the USER user_id that posted it, as well as a date posted saved. POST 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.

REPLY have relationships with POST and USER. A POST may have zero to many replies, and a USER may post zero to many REPLY 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 POST, and also a date posted field.

USER may be related to zero to many FOLLOWs. Each entry in FOLLOW corresponds to a single act of following one USER from another USER. Each entry stores the user_id of the USER following another, and the second instance of user_id stores the USer being followed.