ECE 356 Project (Social Network) ERD

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Friend_Group

PK	groupID	INT
	name	VARCHAR(30)

Belongs in

Person

PK	userID	INT
	firstName	VARCHAR(30)
	lastName	VARCHAR(30)
	birthDate	DATE
	lastReadFeedAt	TIMESTAMP

Subscribes

Nested_Topic

PK	topicID	INT
	name	VARCHAR(30)
	lft	INT
	rgt	INT

A person can join a "Friend Group" so they see posts from other members of that group in their feed

A person can subscribe to a topic and see posts that are relevant to that topic/ subtopic in their feed

If topic has nested topics, pull all posts from all those nested topics as well

All topicIDs between lft and rgt range will be returned (children of node)
Books: topicID=3, lft=1, rgt=5
Fiction: topicID=2, lft=2, rgt=3

Creates

Response

postID

responseID

Post

PK	postID	INT
FK	userID	INT
FK	topicID	INT
	createdAt	DATE
	postText	VARCHAR(255)

Contains

Engagement

FK	userID	INT
FK	postID	INT
	isThumbsUp	BOOL

A response is also a post, which is why it references its parent by postID and has its own responseID

Users can choose to vote on a post (either thumbs up or down)