Sabrena Beck

Nikhil Vaidyamath

Project Part 3

Part 3.1 (Query)

a) SELECT photoID FROM SharedWith NATURAL JOIN BelongTo WHERE member_username= "TestUser";

Part 3.2

b) 1. **Add comment**: (Sabrena) This feature is very important because this is the main use case for the app. In order to implement this, a new attribute "Comments" will have to be added to the Photo table, which stores all comments. Another data table will be needed for the Comments themselves, which will have a comment description, commentedBy, and commentedTo, all connected by a relational schema between Photo and Person, called CommentedBy.

2. **Like photo:** (Nikhil) In order to make sure that liking is restricted to only people that only people that are visible to the user we will make sure that the person that is liking the photo is included in AllFollowers. Also, we need to add an attribute Likes to the Photo schema table in order to keep a record of from whom and how many likes a Photo has.

3. **Unfollow:** (Nikhil) When someone unfollows a user, the followStatus of that user needs to change, the person also needs to be removed from the BelongTo in the FriendGroup and also has to be removed from AllFollowers from the Photo. If that user

that is unfollowing is the creator of the FriendGroup, someone else will have to take ownership of the FriendGroup

4. **Upload to story**: (Sabrena) This is the one feature we are coming up with. Every Person now additionally to having a Photo, they will also have a Story. We will need to add a data table named Story, which contains views, which is the number of views that story has, viewedBy which has the users that have seen the story. The story can be viewed by anyone. Also the story will have time remaining, since stories only last 24 hours and are deleted after that. There needs to be another relationship schema SharedBy in addition to PostedBy, since stories can be shared across multiple user's story.