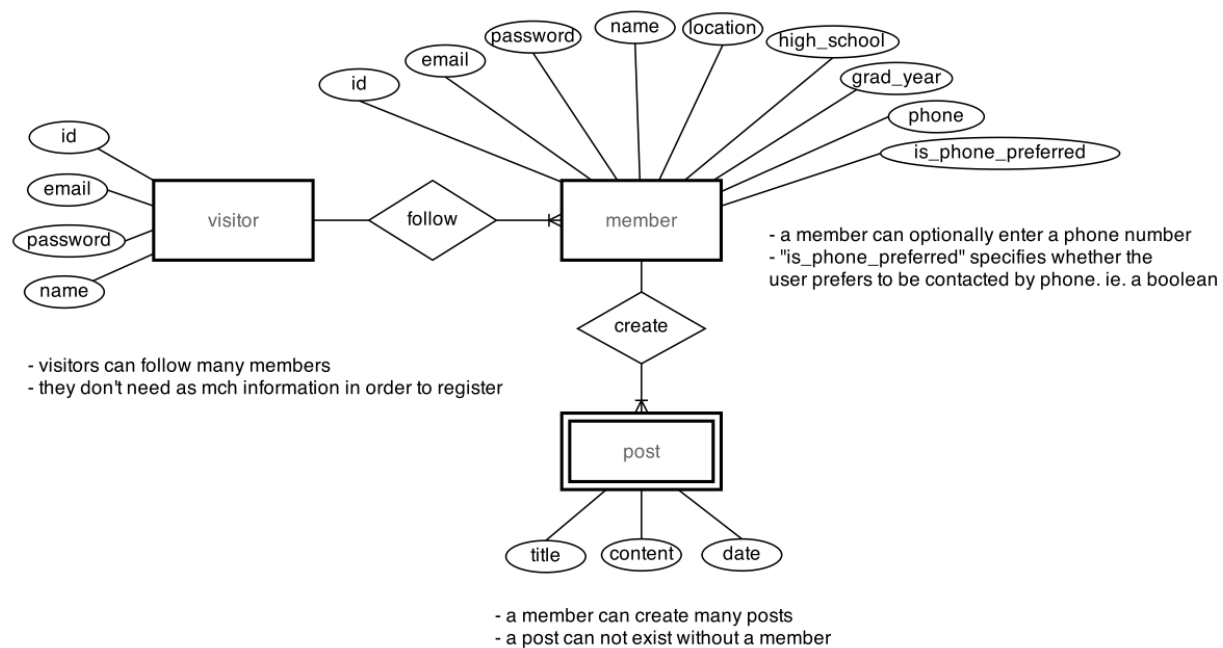


## IAT 352 A2 Report - Danny Blackstock #30116233



I decided to have two types of users for my SIAT Outreach project, "visitors" and "members." They each have their own table, because visitors have much less attributes than members. I also use a session variable to check whether the user is a visitor or member. After finishing this assignment, I think it might be better to combine the visitors and members tables into one "users" table in the future. This way, I can use a column to specify the user type, and simply leave most of the columns blank for visitor type users, while each user can still have a unique id.

I wrote a lot of code in the top menu bar code ("main\_menu\_bar.php" and "main\_menu\_bar\_https.php") for checking if the user is logged in, to display different navigational options. I should probably move some of it to somewhere that makes more sense, like "header.php". I also change the URL to https for areas of the site that need to be secure here, such as log in and sign up forms, by including "main\_menu\_bar\_https.php" on those pages. These secure pages don't set the callback\_URL variable so that the user can be sent back to the page they were looking at before logging in/signing up.

I think the features that need improving the most, besides the user table structure, are the error checking and security. I have not implemented much error handling so far, and I'm not sure how secure keeping whether members are logged in as session variables are. Furthermore, I would like to prepare all queries in one file and then include it in my scripts, rather than using a mix of prepared and inline queries, to make the code more readable and secure. In addition, I would like to escape all user input

properly in case the user inputs HTML, because at the moment I only escape SQL commands.