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CPSC 321

Project Part 2

1. **Team** - Kevin Lunden and Carter Mooring

2. **Topic/Theme** - User Profile

   We want to develop a database where users can create accounts and add photos to their account. This will serve as a practice database for our Senior Design project that will require the same ability, but will use the faces in the photos for facial recognition.

   a) User created Usernames & Passwords
   b) User create a "Home"
   c) Users can add other users as house members
   d) User can upload and store photos

3. **Functional Requirements**

   This makes more sense to me now...

   a) Username & Password creation & changing - Users will create their account initially so that they can access their information securely later. Changing of these will be available because each account will be linked to a UserID that they can't change. <Data modification>
   b) Users can make a "Home" - This is where users can add other family members who are allowed access to their home at any time (part of our senior design). These family members will also have accounts that are populated with the same information. <Data addition>
   c) Users can search and add Members - Users can search for other users and add them to their "Home" which will give those people access to their home (senior design). <Data addition/deletion>
   d) Photo upload - Users can add multiple photos to their account to be used by our senior design project. These photos can also be chosen to be displayed to others when their account is searched for. <Data addition>
   e) Account View - Users can view and change some of their account and details. There will be search options here to easily find things such as house members, searching photos by date/most viewed. Etc. <Data modification>
   f) Delete Account - Users will be able to delete their account and its information at any time if they desire. <Deletion of data>

4. **User Interactions**

    a) Enter
        i) Name, Birthday, Email, Password, Photos, Home, Home address, Additional users
    b) View
        i) Birthday, User ID, Additional Users
    c) Modify
        i) Name, Email, Password, Photos, Home, Home address

5. **Profile Creation screen, Edit screen and Home screen:**

App Name and Photo:

Username: _____

Password: _____

Profile Picture:

Button

John Smith Profile

Biography

Family Members:

Mary Smith

Ben Smith

Johnny Smith

Carrie Smith

Billy Bob

Johnny Bob

John Smith Home

Biography

Family Members:

Mary Smith

Ben Smith

Johnny Smith

User Search: Q Billy Joe

Billy Joe ☑ Add

Billy Joe ☐ Add

★ Need to add functionality & DB info to incorporate non-trivial queries (like w/ group bys, aggregates, subqueries)