**PenFriends Group Project**

**Description:**

PenFriends is a platform where an activity professional working in a nursing care or other rehabilitation facility can create posts and profiles for their residents, for the purpose of connecting residents with penpals from the public. There are two types of users: Admin (activity professionals) and penfriends (penpals). Admin can create and manage resident profiles and create and manage posts advertising specific residents who are looking for penpals. The admins posts are displayed on a public wall, and a potential penfriend can click a button to become a penpal with a resident (which sends a message to the admin). Once connected, the penfriend can send messages to the admin with their penpal letters for the resident, and the admin can send messages (including uploaded letters from the resident) to the penpal.

**Features It Will Have:**

**(organized by website pages)**

1. Login / Register

* Register
  + User Category
    - Admin
    - Penfriend
  + First name
  + Last name
  + Email
  + Password
  + Confirm Password
* Login
  + Email
  + Password

1. Seeking PenFriend (homepage after login)

* Wall of all post objects created by admin user
* Penfriend sees button to become penfriend
  + Button adds resident in post to penfriend user who clicked button (many-to-many)
  + Creates message object (many-to-many with admin user)
    - Message shows in inbox of admin who created the post, includes resident object info

1. Admin’s Dashboard

* Create resident object (many-to-many with user)
* View all of this admin’s resident objects
* Create post object (one-to-many with user, only admin can create)
* View all of this admin’s post objects

1. PenFriend’s Dashboard

* View all of this penfriend’s residents
  + links to specific resident profile page
* Change own password

1. Specific Resident Profile

* Admin sees info in an editable form, penfriend only sees info
* Resident info (first name, last name, bio, picture)
  + Admin can update info and picture

1. Inbox

* List of all messages belonging to that user
  + Button to view specific message
  + Button to mark specific message as read
    - Updates number next to inbox in nav bar
  + Button to delete message
* Button to view create new message page

1. View Specific Message

* Message info
* File download (letter from penpal)
* Reply button to view create message page
* Button to delete message

1. Create New Message

* Message info
* File uploaded (letter to penpal)

**Database Classes**

* User
  + First name
  + Last name
  + Email
  + Category
  + Password
* Resident (many-to-many with User)
  + Picture
  + Letter
  + First name
  + Last name
  + Bio
* Post (one to many with user, one to many with resident)
  + Post content
* Message (many to many with User, one to many with resident)
  + Subject
  + Message content
  + Read (default = false)

**Hope to Have:**

* An updates wall with other social posts
* Ability to integrate the seeking penfriends posts with Facebook API