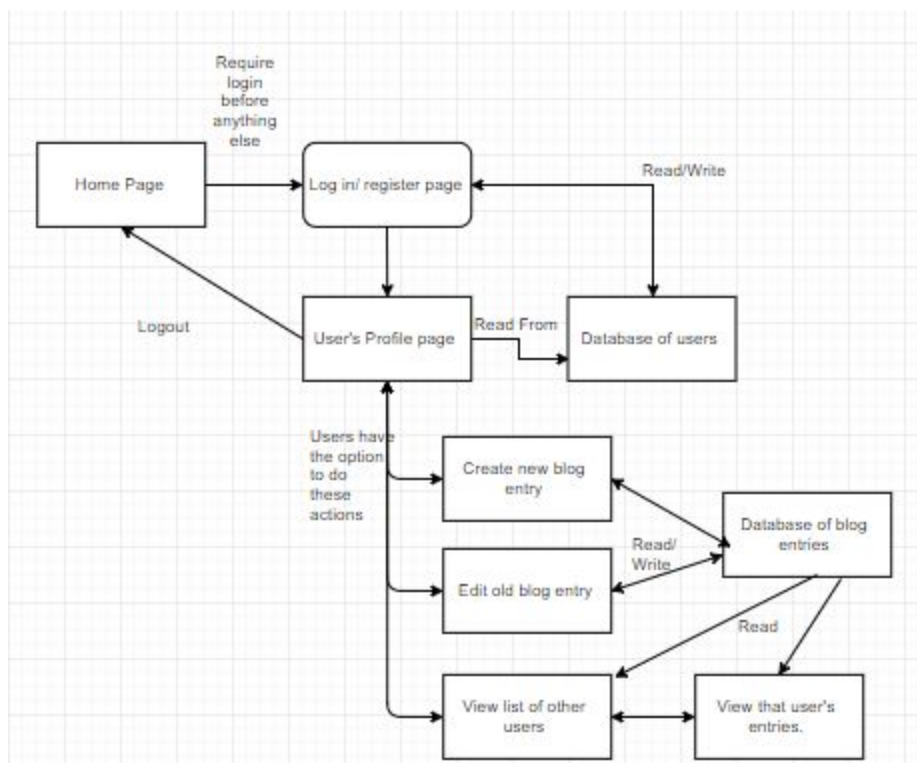# List of Program Components

- Home/login/register page
  - User name and password stored in database
  - Login and register forms
  - If logged in, redirects to other people's blog posts
- Database of accounts
  - Username, hashed password
- Database of blog posts
  - Username, blogpost
- Profile page
  - Users can make new entries
  - Access and edit old entries
  - Links to other blog posts page
- Blog page
  - List of usernames
    - Click on a username to view their blog entries
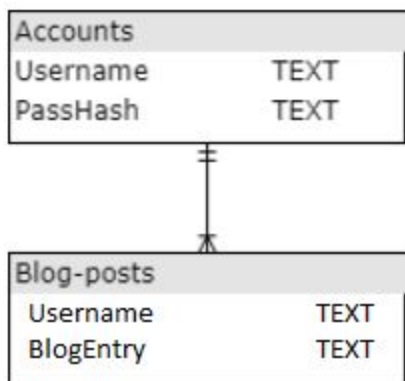
Relationship Between Components

- Home page
  - Contains login and register HTML forms
    - Utilizes the database of accounts to verify and input login information
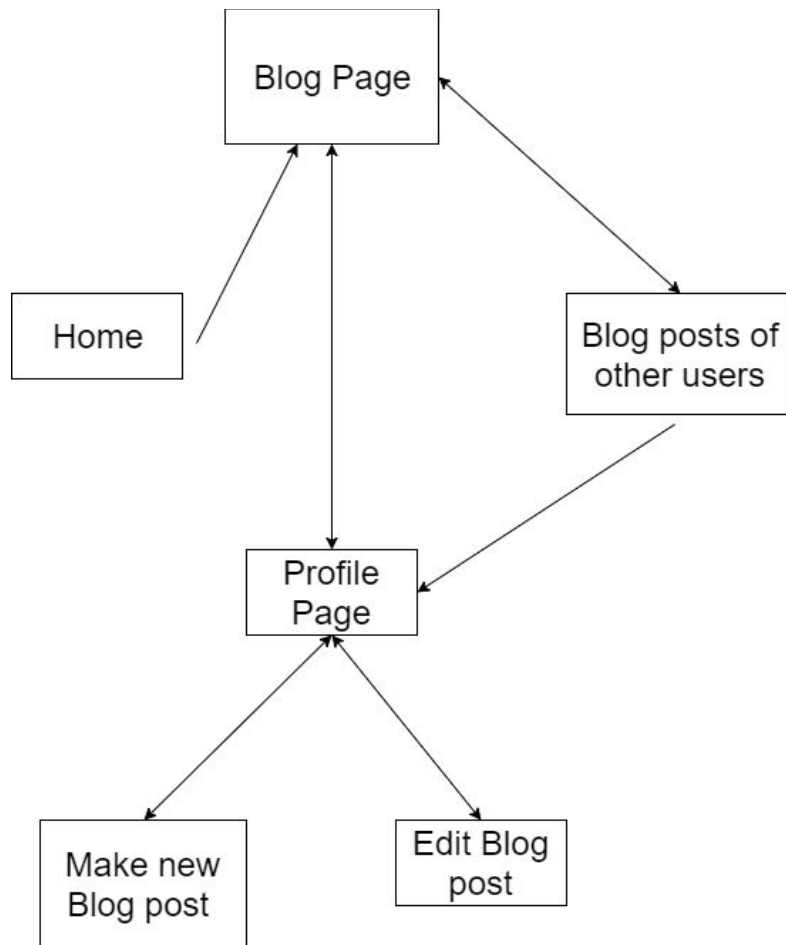
- ○ If logged in, automatically go to the Other People's Blog Posts page
- ● Profiles Page
  - ○ List of all blog posts the user posted by searching the database of blog posts
  - ○ The user has the ability to make new blog posts and/or edit their blog posts
  - ○ Accesses the database of blog posts
- ● Other Blog Posts page
  - ○ Can navigate back to the profile page
  - ○ Click on a username, directed to the user's profile page
  - ○ Accesses the database of blog posts to display the selected user's entries

Database Schema
- ● Users Database
  - ○ User Info Table
    - ■ Username
    - ■ Password
- ● Blog Posts Database
  - ○ Blog Posts Table
    - ■ Username
    - ■ Blog Entry

Accounts	
Username	TEXT
PassHash	TEXT

Blog-posts	
Username	TEXT
BlogEntry	TEXT

Sitemap for Front-end

Home:
- Contains login and signup forms in the middle of the page
- If logged in, redirect to Blog Page

Blog Page:
- Blog page contains a list of users that are hyperlinked on the center of the page
- When user clicks on a username, it redirects the user to the blog posts of the username clicked
- Can access profile page as well using the button on the top right corner

Blog posts of other users:
- The username of the other user's blog is on top center of the page with a bold font
- Blog posts are underneath the username
- Can access profile page using the button on the top right corner or list of different blogs page using the button on the top left corner

Profile Page:
- The profile page contains the user's username on the top center in bold font
- Blog posts are underneath the username

- On every blog post there is a button to edit
- On the bottom right corner, there is a button to make a new blog post
- Can access back to the list of blog pages using a button on the top left corner

Make new Blog post:
- A form where user can types in text and has an upload button and a cancel button
- When uploaded or cancelled, it redirects the user to the Profile Page

Edit Blog post:
- A form where user can types in text and has an edit button and a cancel button
- When edited or cancelled, it redirects the user back to the Profile Page

Breakdown of Tasks

General Roles (Flexible)

- Alex - In charge of back-end + Assist in Front-end - Focused on DB tasks
  - SQL
  - Python
- Xavier - In charge of Front-end + Assists in Back-end
  - HTML + CSS
  - SQL
  - Python
- Jonathan - Project Manager + General Assistance

TASKS

- *data*
  - User database
  - Blog entry database
- *templates*
  - *createBlogEntry.html* **Xavier**
  - *editBlogEntry.html* **Xavier**
  - *home.html* **Xavier**
  - *blogPage.html* **Xavier**
  - *login.html* **Xavier**
- blog.py - contains all the flask
  - @home **Xavier**
  - @logout **Xavier**
  - @login **Jonathan**
  - @register **Jonathan**
  - @listUsers **Jonathan**
  - @displayUserBlogs **Alex**

- ○ @blogEntryCreate **Alex**
- ○ @blogEntryEdit **Alex**