

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

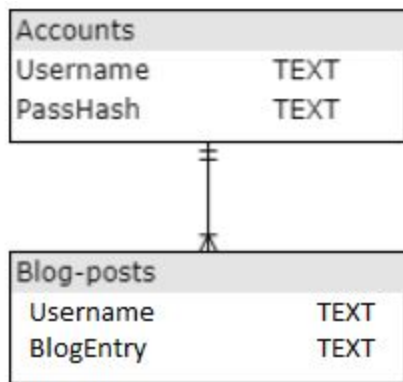
Relationship Between Components

- 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
- Profile Page
 - List of all blog posts the user posted by searching the database of blog posts
 - If it is the user's profile, 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

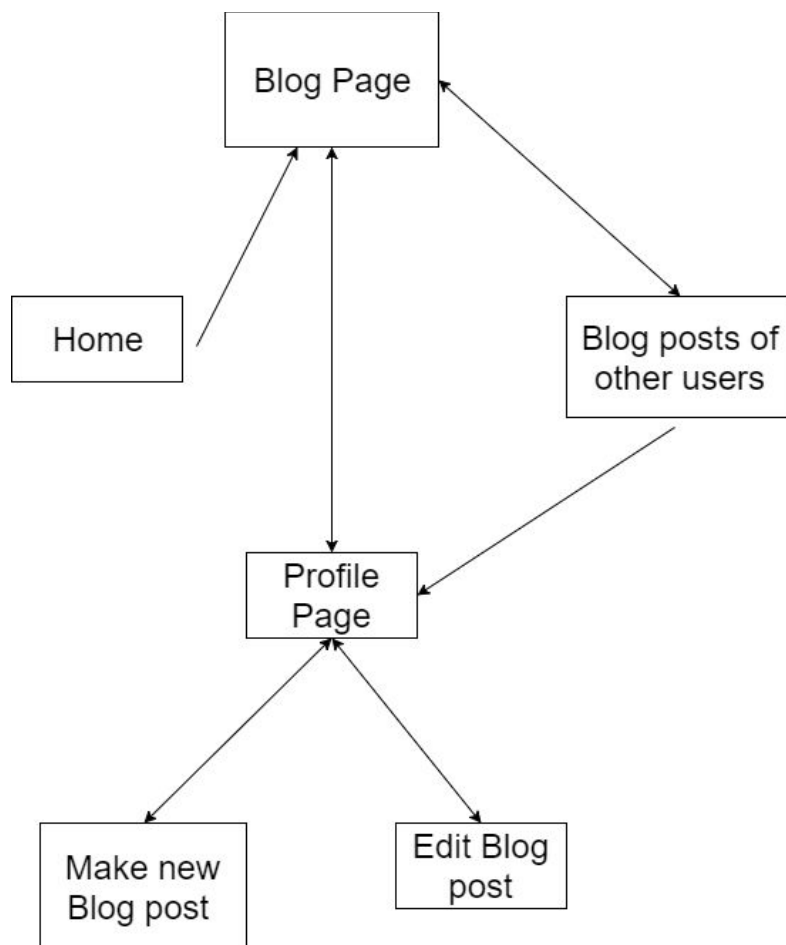
Database Schema

- Users Database
 - User Info Table
 - Username
 - Password
- Blog Posts Database
 - Blog Posts Table

- Username
- Blog Entry



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**