

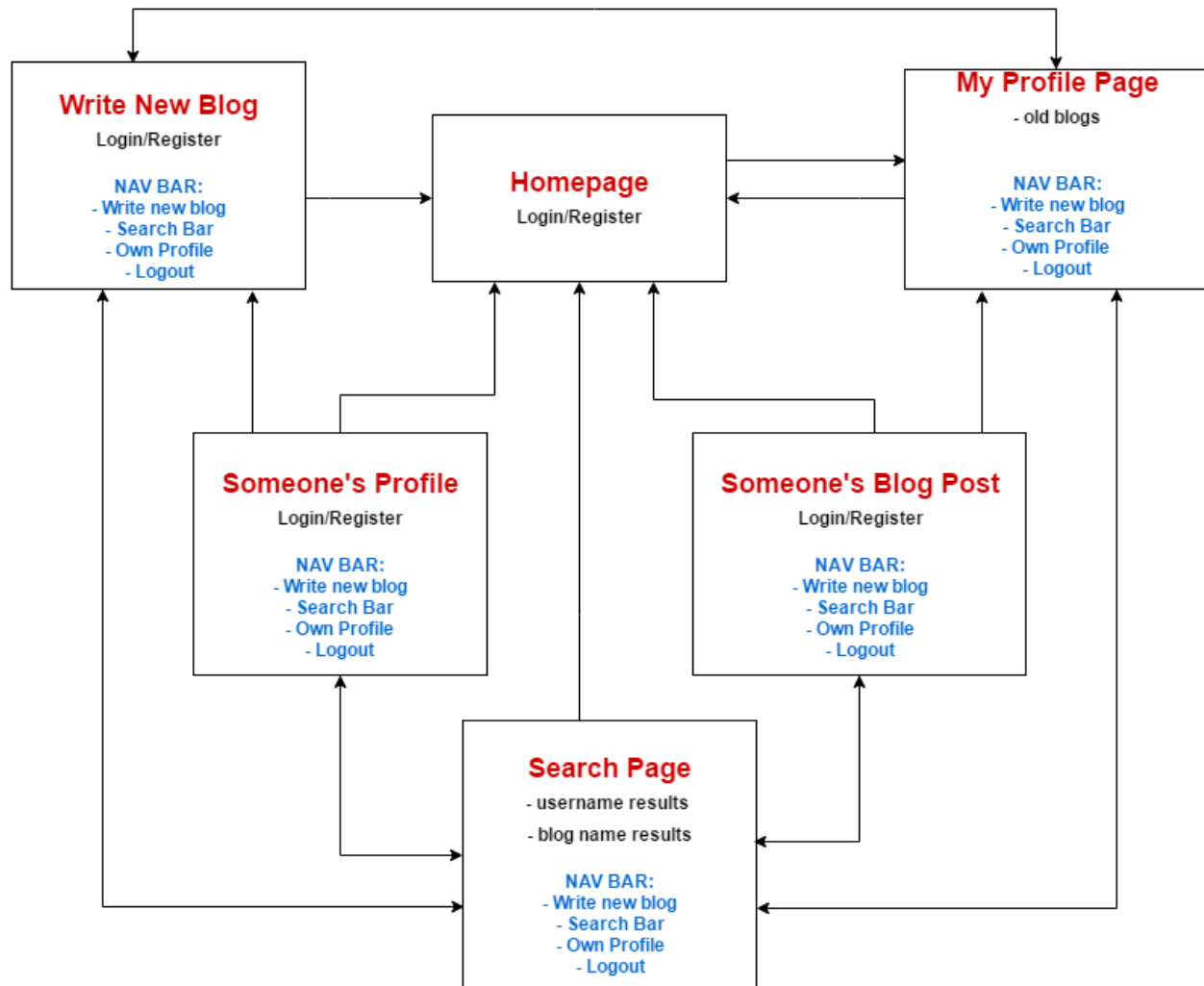
## Web Log

By Ely Sandine, Celine Yan, Kevin Zhang, and Yikai Wang

### Pages

- Login/Register
  - This page is the root page if there is no session. It asks the user to create an account with a Username, Email, or Password. It hashes the passwords and adds everything to the Login database.
  - After you login it creates a session. The new homepage is the your profile page.
- Profile Page
  - View your recent and old posts
  - Also, others can use this to see your posting history, as well as any detailed information you may be willing to share about yourself.
- Search - You can search by username or title
  - When you access the page via the search bar it goes through the database returning the most recent posts containing the title or matching the username.
  - It returns a list of links to posts. When you click on a link it goes to the View Profile page.
- View Post
  - When you click on a link from the search page it redirects you to this page. The html in the Posts table with matching username and title is rendered. If there is a session, and your username matches the username of the post you have the ability to edit a post.
  - Also, anyone has the ability to make a comment. Choosing to make a comment will look redirect you to the write post page, except it will handle the result in a different manner, using a different method. We can do this using jinja2 if statements.
- Write/edit post.
  - When you click on the write post button, it links to this page. The page has a textbox. When you submit the textbox, it stores the text as plain text, and a function converts your text into html, and stores both a new record it in the Posts table with the username, title, and current date.
  - If you reached the page by the edit button, it gives you the corresponding text, and allows you to edit the text. When you submit the text it converts the text back into html and stores it.
  - After you submit, the page redirects to the view post page with the submitted post as the query.

### Site map



### Database tables

- Login
  - Username - stores usernames
  - Email - stores emails
  - Password (hashed) - stores passwords
- Posts
  - Username - user who created the post
  - Title - title of the post, used to search for a specific post
  - Date - date of the creation of the post
  - Post (text) - original text submitted, saved in case it needs to be edited
  - Post (html) - to be inserted in the template when a post is viewed
- Comments
  - Username - user who created comment
  - Post-Title - title of the post referenced
  - Post-date - date of the post referenced

- Post-user - username of the post referenced
- Date - date that this comment was made
- Comment (text) - original text submitted, saved in case it needs to be edited
- Comment (html) - to be inserted in the template when post is viewed.

### Schema

#### Login/Register

<b>Username</b>	<b>Email</b>	<b>Password (hashed)</b>

#### Posts

<b>Username</b>	<b>Title</b>	<b>Date</b>	<b>Text-Post</b>	<b>Html-Post</b>

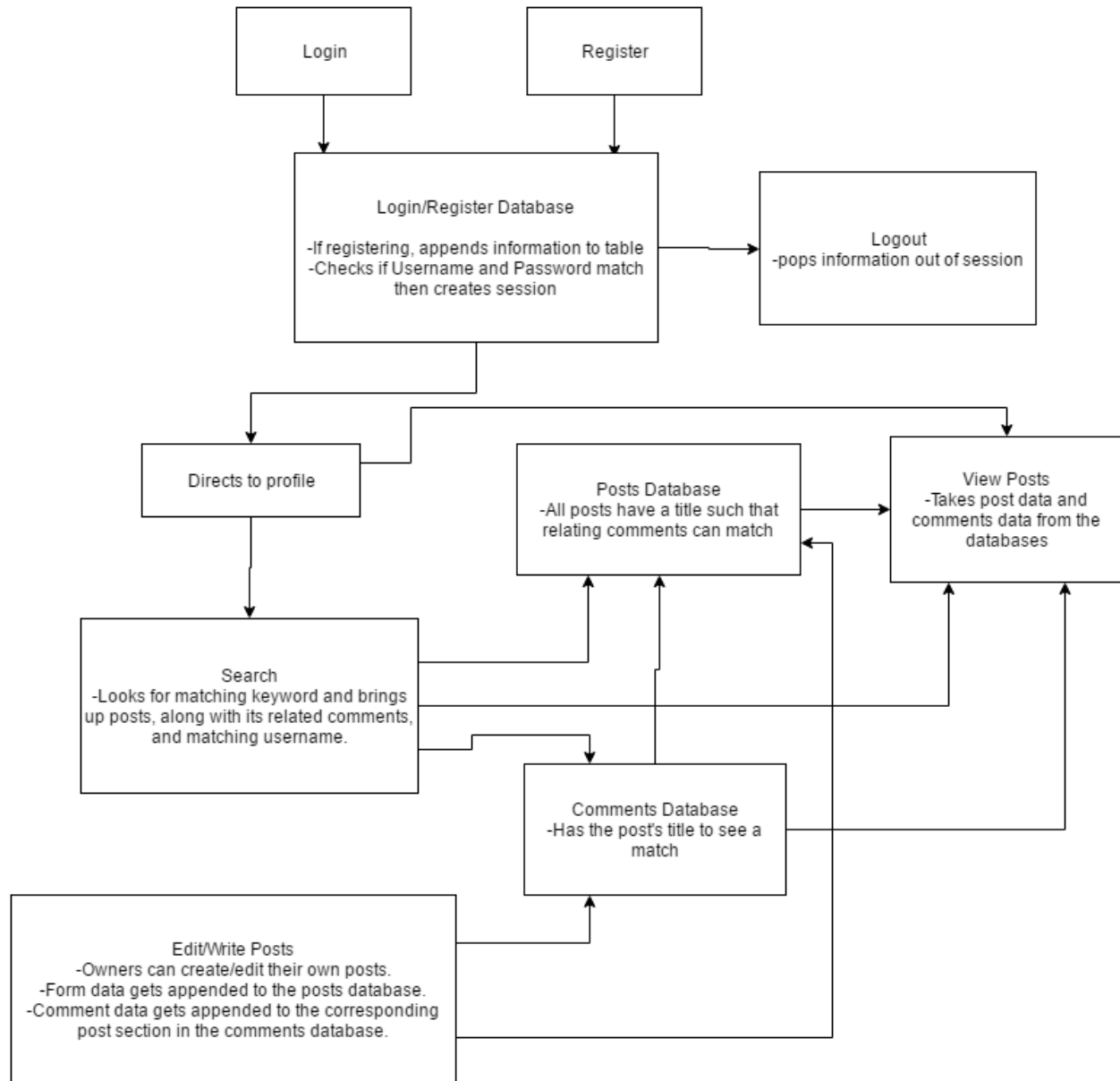
#### Comments

<b>Username</b>	<b>Post-Title</b>	<b>Post-Date</b>	<b>Post-User</b>	<b>Date</b>	<b>Comment (Text )</b>	<b>Comment (HTML)</b>

### Templates

- Homepage
- Profile
- Edit/Write posts
- Search Results
- View post

### Component map



### Division of labor

Celine - Front-end: Login page, and the write/edit page

Yikai - Front-end: Search Page, View Post Page, header bar.

Kevin - Back-end: Login page, creating session, handling requests.

Ely - Back-end: Converting post to html and writing to the post database, Searching database, and view profile links.