Team Mooo (Team 5, Pd 6)- Emily Lee, Brian Lee, Thomas Lee, Joshua Weiner
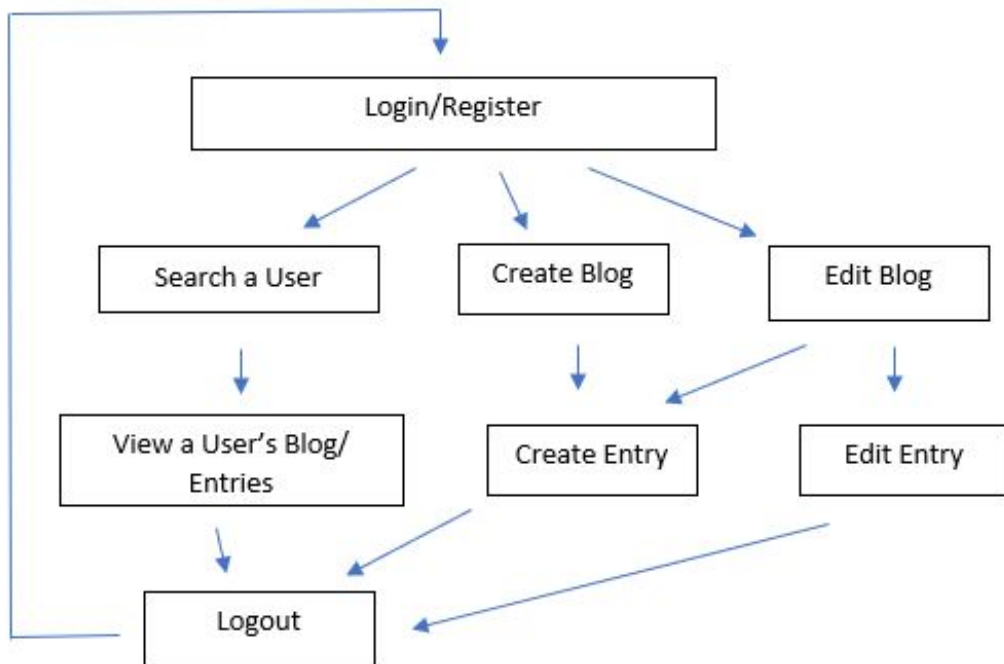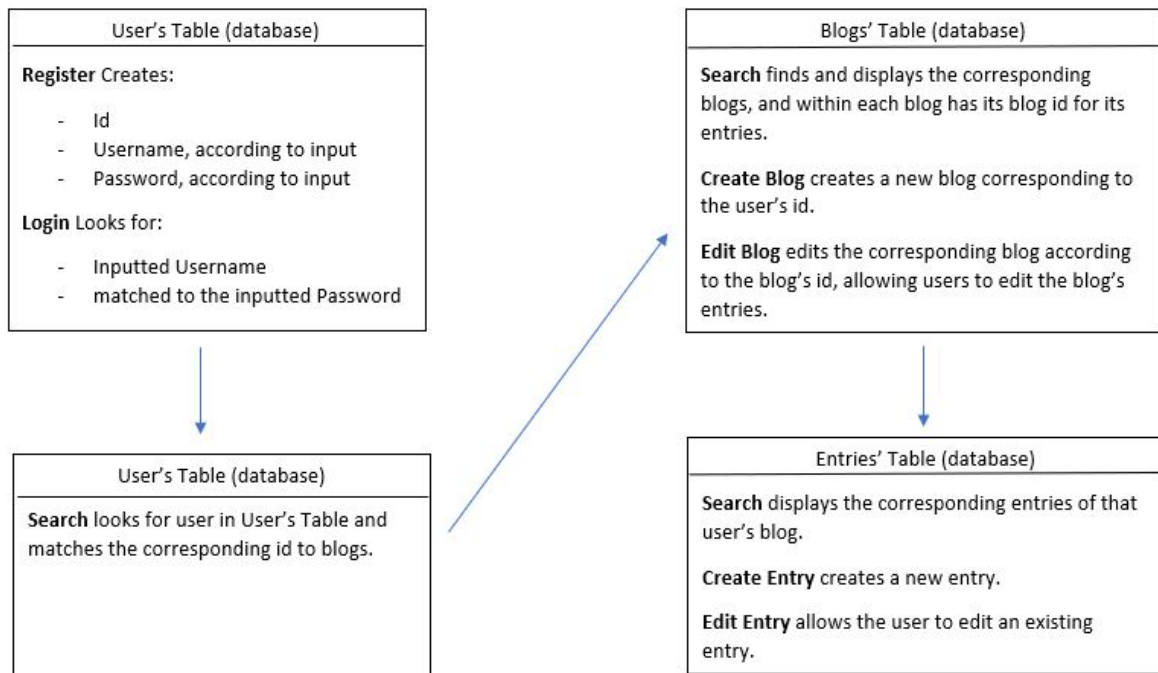
<u>Components</u>

- **(Database Interaction)** Register: Having an account component will allow us to control who is able to edit, create, and view pages in our blog
  - Users must create accounts in order to use the website and to create, edit and view blogs.
  - Test for unique usernames during account creation, flash errors when registering usernames already associated with an account.
  - Test for matching passwords when registering, flash error messages if there are discrepancies.
  - **Successful registrations add new users to the User's Table in the database.**
  - Accessible only when user not logged into session.
- Login: Will allow users to log into their account
  - Allow user to log into account, will add them to session
  - Flash "Incorrect username or password" when login is unsuccessful.
  - **Query user information upon form submission from Users Table in database**
  - Accessible when user not logged into session (link contained in a navigation element)
- Logout: Will allow user to log out of their account
  - Accessible only when user in session (link contained in a navigation element)
  - Will log user out of session
- Search: Find a particular user's blog (input user's name)
  - Search will show results of blogs from that user.
  - Will lead to view blogs pages
  - **Query results by searching first through article titles in the Articles Table in the database, then article content in database**
  - If the page does not exist:
    - Flash that user does not exist → return to home page
- Read Blogs: Allows user to read other users' blogs without editing access
  - You must be logged in to read blogs
  - **Query page in flask from database, pass to jinja template**
  - Links on the bottom of a page will redirect to other pages
- **(Database Interaction)** Create Blogs/Entries: Allows user to create a new blog (or add an entry to an existing blog)
  - You must be logged in to create a blog/entry
  - Requires title input and content

- ○ Upload timestamp and author username
- ○ Flash errors if any section of the form is incomplete
- ○ Flash errors if the title already exists for any articles in the database
- ○ **Successful creation uploads a new blog to the Blogs' Table in the database**
- ● **(Database Interaction)** Editing: Gives user the ability to edit and update entries within their blogs
  - ○ You must be logged in to edit only your blogs
  - ○ Edit page will load the current contents of the page into a form
  - ○ If edits are made, flash errors for the following errors:
    - ■ Title already exists in database
    - ■ Content is empty (in form)
  - ○ **Upon successful submission, updated entry fields are saved to Entries' Table.**

Component Map

Database Schema

Users Table

Name	Key	Unique	Type
id	Primary	Yes	Integer
username	none	Yes	String
password	none	No	String

Blogs Table

Name	Key	Unique	Type
id	Primary Key	Yes	Integer
user_id	none	No	Integer
title	none	Yes	String
content	none	No	Text
tag	none	No	String
Author	none	No	String

| Last Editor | none | No | String |
| Timestamp | none | No | String |

Entries Table

Name	Key	Unique	Type
id	Primary	Yes	Integer
blog_id	none	No	Integer
title	none	No	String
content	none	No	Text
Last Editor	none	No	String
Timestamp	none	No	String

Page Mockups

Register
Username: [   ]
Password: [   ]

Login
Username: [   ]
Password: [   ]

MoooLog
Welcome <username>
Logout   My Blogs
Search: [   ]

MoooLog

Logout   My Blogs

Blog Title - Author

Entry 1   Timestamp
Entry 2   Timestamp
Entry 3   Timestamp

©Team Mooo 2018

MoooLog

Logout   Create New Blog

Your Blogs:

Blog 1   Last Edited   [Edit]
Blog 2   Last Edited   [Edit]
Blog 3   Last Edited   [Edit]

©Team Mooo 2018

MoooLog

Logout

Blog Title - Author

Entry 1   Timestamp   [Edit]
Entry 2   Timestamp   [Edit]
Entry 3   Timestamp   [Edit]

[Cancel]

©Team Mooo 2018

MoooLog

Logout

Title: [_____]

Content:
          [   ]

[Create Blog]   [Cancel]

©Team Mooo 2018

Site Map

Login Page

Register Page ← Main Page → Logout Page

Authentication Needed
- -

Other User's Userpage   Other User's Userpage   Userpage → Create Blog

| Blog | | Blog | | Blog | | New Blog | → Create Entry
| Entry | | Entry | | Entry | | New Entry |
| Entry | | Entry |

Edit Entry

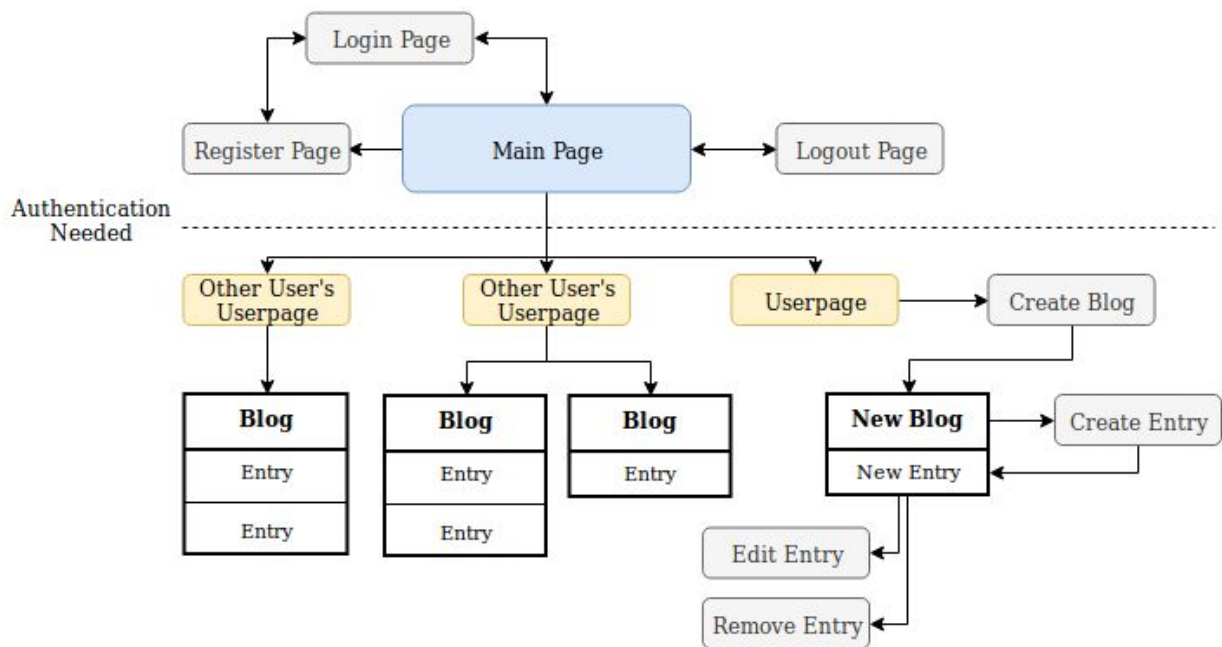Remove Entry

Todo List

- Database operations
- User authentication
- Register account
- Session management
- Create new blog
- Add entries
- Edit entries
- Jinja templates
- Search functionality

Delegation of Roles
- TLee - Search / Read Pages
- BLee (Project Manager) - User authentication, account registration, session management
- ELee - Redirects/ Linking pages, Jinja, Site/Page structure
- JWeiner - Database Operations - Create and Edit Blogs