Cafe Logs - Blogging Site Template

PROGRAM COMPONENTS

- Login/Registration Page
- Newsfeed Page
- Individual User Blog Page
- Following Users
- Upvote and Downvote of Blogs
- Account management
- Search function for Users

COMPONENT BREAKDOWN AND RELATIONSHIPS

BACKEND

- Login/Registration
    - If person is not logged in and does not have an account, username and password are inputted and registration button is pushed.
    - If person has an account and is not logged in, username and password are inputted and login button is pushed.
    - If person is already logged in (checked by the use of cookies), then the page is redirected to the site.com/news

- Newsfeed Generation
    - Prints the n most recent postText entry by who the person follows
        - Posts are selected from the POSTS table
            - Table is in descending order
        - Post id determines how recent a post is
    - On the very top should be a text box for making a post (form)
- Blogpage Generation
    - If blog belongs to the user:
        - The POSTS table would be iterated through, printing every postText entry for all rows with the same userID as the user's.
    - If not:
        - The POSTS table would be iterated through, printing every postText entry for all rows with the same userID as the searched user.
        - Follow/unfollow button
- "Post" item options
    - Text only
    - Upvote/downvote (is not limited to 1 per account)

- - Can edit if postText entry has the same userID as the user's
  - Following
    - Follow certain users, track accounts followed by given user in UserInfo database
      - Shows most recent posts by followed users in newsfeed
  - Search page
    - Search bar always accessible from toolbar
    - Query can be passed via GET, but we keep it internal
  - Account management
    - Deletion - wipes database records as well…
    - Change password
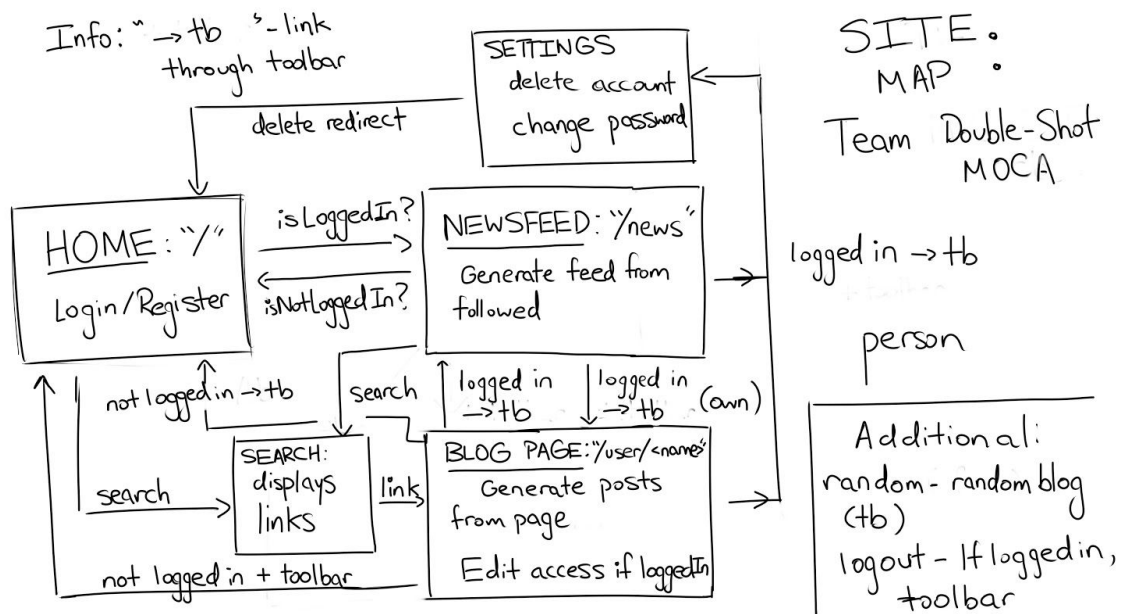
FRONTEND
- Toolbar at the top of every page when logged in
  - Search bar
  - If logged in:
    - Holds links to
      - Settings page
      - Newsfeed
      - Link to user's blog
      - Logout button
    - Displays user account name
  - If not logged in:
    - Holds link to homepage (Says sign in/register)
- User Blog Page
  - Contains the n most recent posts made by the user (pulled from Posts db)
  - Post statuses/posts textbox (writes to Posts db)
  - On the side of the page, there is a list of all the people you are following (pulled from UserInfo db)
- Others Blog Pages
  - Contains n most recent posts made by other user (pulled from Posts db)
- Newsfeed Page

Miscellaneous Notes:
- No automatic refreshing of newsfeed
- http://code.runnable.com/Uow5Oup6hN8aAAI1/route-with-variable-parts-in-flask-for-python - Generating urls for user pages

SITE MAP:

Info: " → tb '-link
through toolbar

SETTINGS
delete account
change password

delete redirect

HOME: "/"
Login/Register

isLoggedIn? →
← isNotLoggedIn?

NEWSFEED: "/news"
Generate feed from
followed

not logged in → tb

search

logged in
→ tb

logged in
→ tb (own)

SEARCH:
displays
links

link

BLOG PAGE: "/user/<name>"
Generate posts
from page

Edit access if loggedIn

search

not logged in + toolbar

SITE:
MAP:
Team Double-Shot
MOCA

logged in → tb

person

Additional:
random - random blog
(tb)
logout - If logged in,
toolbar

DATABASE SCHEMA

- BlogPage database
  - Table Login
    - Username
    - userID
    - hashedPass
  - Table UserInfo
    - Username
    - userID
    - pplFollowing
  - Table Posts
    - userID
    - postText
    - postTime
    - postID
    - upVotes
    - downVotes

Extensions:

        Extra info on blog page (editable if it's your page)

                - edit featured users

                - edit bio/featured links

WORK BREAKUP

Constantine - SQL Database
- Link input data from users into databases
- Manage the order of the rows of Posts table to provide for newsfeed page
- Manage the parsing of the Posts table to provide for individual user blog pages.
- Manage the deletions of rows in all tables (when user deletes account)
- Send output data to backend

Maddie - Backend Posts
- Generate search bar results for post
- Whenever you see a post
  - Up vote/down vote buttons on every post
  - Link to poster
- On a user's blog page:
  - Sorts through post table to display an individual's posts
  - If a user is on his/her own blog
    - Form for new posts is displayed
- On newsfeed:
  - See posts of people you are following
  - Most recent posts are displayed first

Jessica - Frontend
- CSS style sheets
- HTML templates
- Blog layout
  - Blog posts formatting
  - Toolbar formatting
  - Following list (sidebar) formatting

Joel - Backend User Management + Toolbar
- Organize registration/sessions and url redirects
- Account management/logout

- Provide edit access to posts if logged in
- Random Blog button on toolbar, pass search bar results to post organizer's code