# Is This a Design Doc? YALE BRUDDER it is!

Scenario Two - *Web Log Hosting Site*

Roles

- Frontend - Making the html and connecting the sight
    - Eugene Thomas
    - Do the site map
- SQL - Setting up the database scheme and making sure we can access everything
    - Leo Liu
    - Do the database schema
- Flasker - Ensuring connection between all parts of the sight, login system
    - Yuyang Zhang
    - Do the component map
- Project Manager - Do stuff
    - Adam

**Component Map:**

Login/Authorization/Connecting Pages: Flask and Python

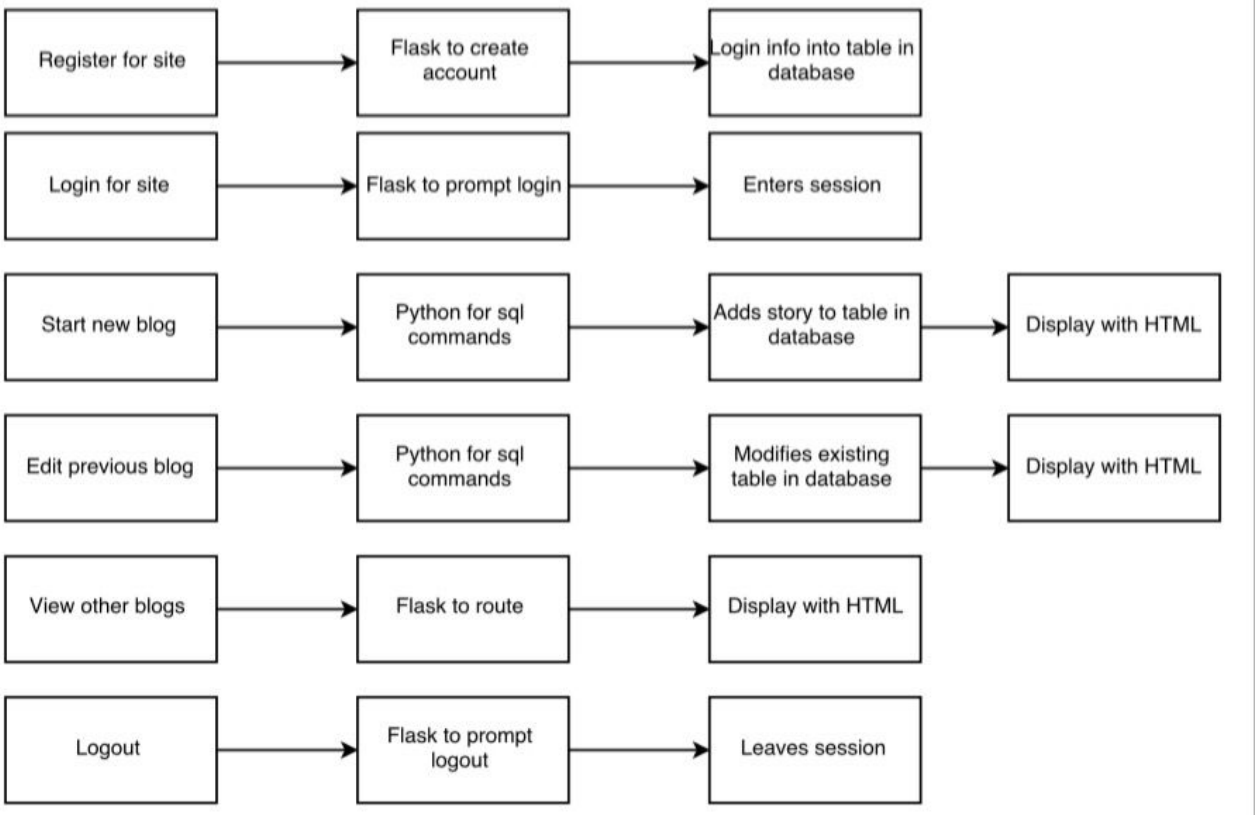
- Usage of Flashes, Sessions, and redirects
  - Flashes used to display error messages
  - Sessions to make sure the user is logged in
  - Flask to facilitate the flow of pages
- Usage of Python to manage databases and tables

Databases: SQLite3

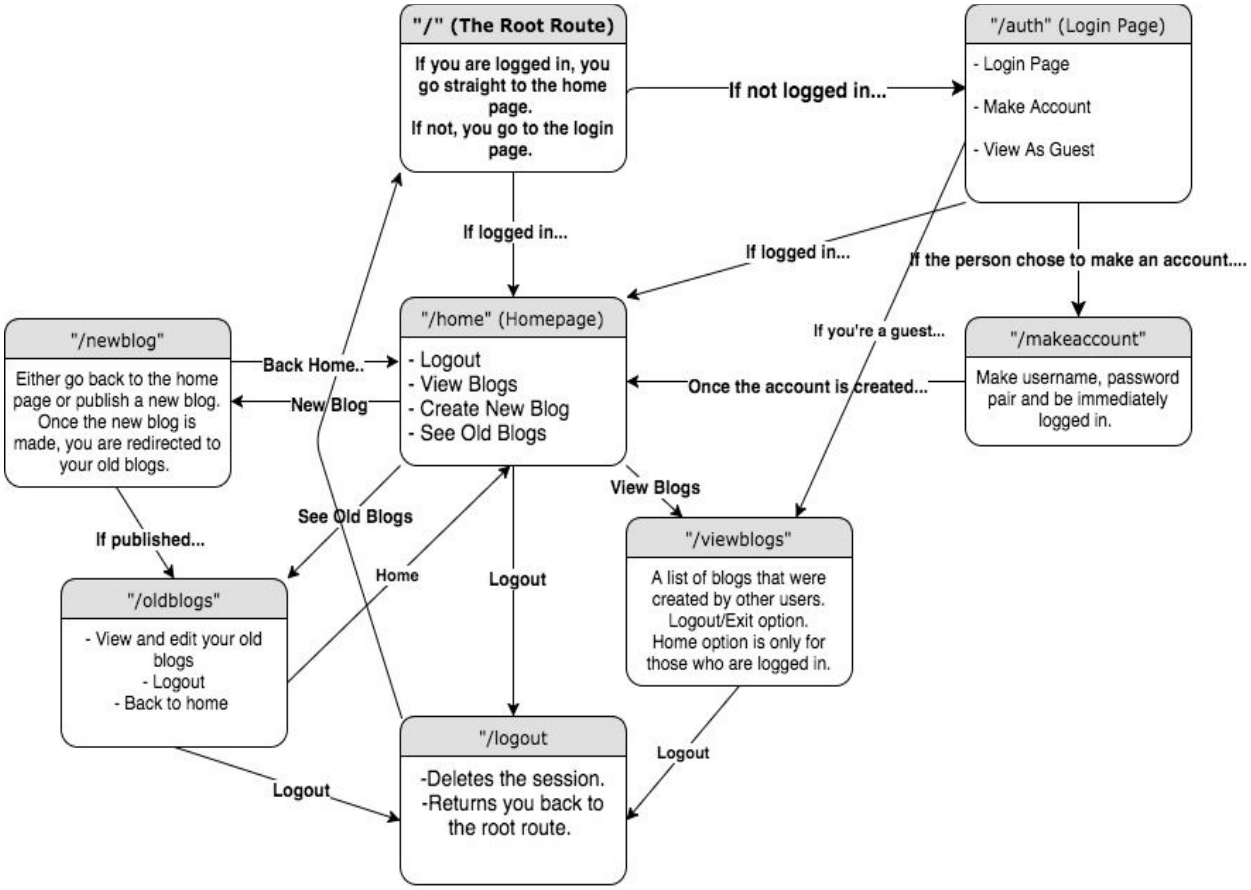
- Usage of tables and databases
  - Stores information for blogs/accounts

Front End: Jinja and HTML

- Usage of templates and forms
  - Used to formulate blogs/login and displays them



## *Site Map*


"/" (The Root Route)
If you are logged in, you go straight to the home page.
If not, you go to the login page.
If not logged in...
"/auth" (Login Page)
- Login Page
- Make Account
- View As Guest
If logged in...
If logged in...
If the person chose to make an account....
"/home" (Homepage)
- Logout
- View Blogs
- Create New Blog
- See Old Blogs
"/newblog"
Either go back to the home page or publish a new blog. Once the new blog is made, you are redirected to your old blogs.
Back Home..
New Blog
If you're a guest...
"/makeaccount"
Make username, password pair and be immediately logged in.
Once the account is created...
View Blogs
See Old Blogs
If published...
"/viewblogs"
A list of blogs that were created by other users. Logout/Exit option. Home option is only for those who are logged in.
Home
Logout
"/oldblogs"
- View and edit your old blogs
- Logout
- Back to home
"/logout"
-Deletes the session.
-Returns you back to the root route.
Logout
Logout

**Database:**

Authentication:

| Displayed name PRIMARY KEY | Username PRIMARY KEY | Password |
|---|---|---|
| The name to be publicly displayed next to each blog post. | Used for login. | Used for login. |

Blog storage:

| Blog post id PRIMARY KEY | Blogger | Blog post title | Blog post content | Blog post timestamp |
|---|---|---|---|---|
| Facilitates the tracking of every blog post. Should be consecutive and in chronological order. | Name of the blog post author. Enables display of all posts written by the same author. | Title of each post. | Content of a post. | Timestamp of blog post submission. |

## Summary:

Our team is excited to take on the task of taking on the creation of this blog site. Upon entering our site, you are taken to either a home page or login page, depending on whether you are in your account. From the home page, you may create new blogs or edit old ones - a feat doable due to our databases, which storage the blog data (as well as the login info). If you're not in a creative mode, a site user may instead opt to view other people's blogs and marvel at their hard work. The blogs themselves are jinja templates, using flask and python to pull data from the datatables and load them onto the blogs. There are many different moving parts on our site, and we've devised a plan that successfully interlocks all of them and ensures efficiency and functionality!