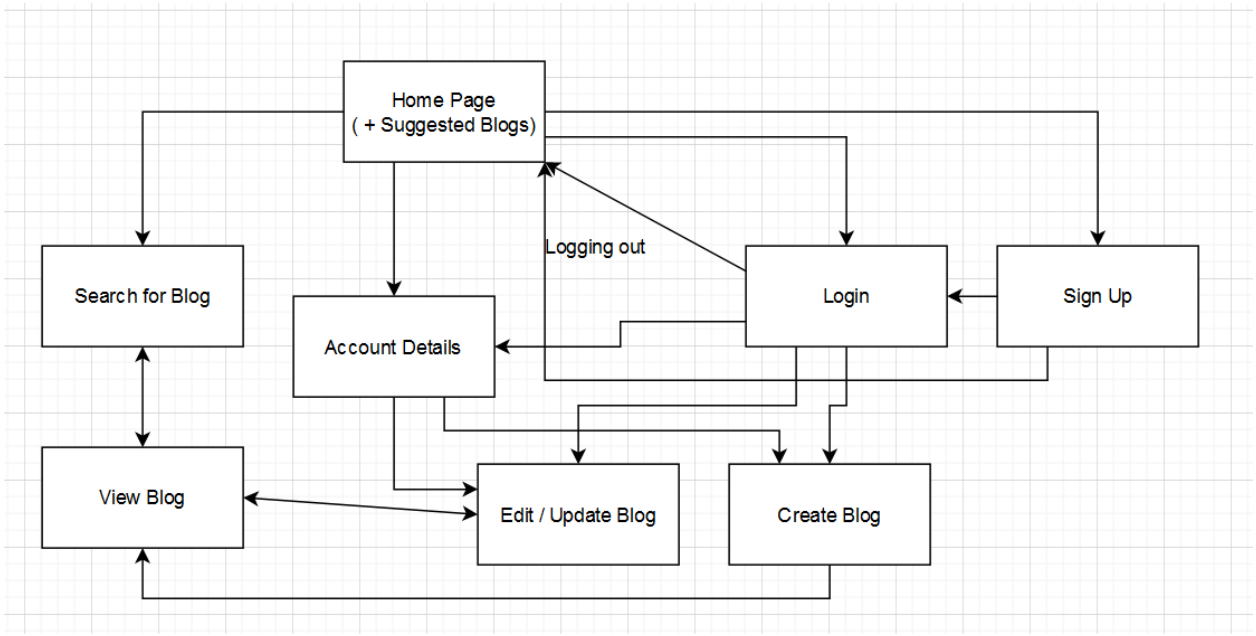
Wiki Project Design Document

Team The Best Cameron -- Cameron Nelson, Jonathan Wu, Alif Abdullah, Kevin Cao

File Tree:

```
flask_app
├─ app.py
├─ blogs.db
├─ templates/
│   ├─ home.html
│   ├─ login.html
│   ├─ view.html
├─ static/
│   ├─ css/
│   │   ├─ style.css
│   ├─ javascript/
│   │   ├─ script.js
├─ blog_contents/
│   ├─ blog_1.txt
│   ├─ blog_2.txt
│   ├─ blog_3.txt
```

Front-End Sitemap



Program Component List:

- Python

    - The python app would be used for the creation of the database itself and for inserting data / pulling data from it.
- SQLite
    - We use SQlite to interact with our database. The commands used in the python app would come from this component.
- Jinja
    - Jinja takes the data from the backend for the wiki contents, page title, and other bits and puts them where we want in our webpage.
- Flask
    - Flask serves the actual web pages jinja will be rendering (does network stuff).
    - Session allows for the site to allow a logged in user to edit existing pages and add new ones. Someone cannot edit/create a page without being logged in / having a session.
- CSS
    - CSS makes our site look pretty to the user on the frontend.

Database Organization

- Tables:
    1. **BLOGS**
        a. Stores the number pointing to where the contents of the page can be retrieved (if ROWID the blog is stored in blog_1.txt), the name of the blog, and the author.
        b. Three columns, ROWID, NAME, and AUTHOR.
    2. **USERS**
        a. Stores user data
        b. Holds username, hashed password, special permissions (mod/admin) + ROWID

Member Assignments

- Cameron: Working on backend stuff and database.
- Alif: Using jinja/flask/python to connect backend to frontend stuff.
- Jonathan: Working to create the frontend HTML templates with Kevin and css for later.
- Kevin: Also working to create frontend HTML templates and then css for later.