Program Components:
- Python files:
    - db_builder.py:
        - Run only once. Creates database.
    - App.py
        - Functions:
            - search("keyword")
                - Loops through post-titles in the database and returns an array of posts which have titles that contain the keyword searched.
            - retrieveBlog("name")
                - Returns multidimensional array with all blog info
        - Contains site routes:
            - "/"
                - Login page
                - Renders "login.html"
            - "/register"
                - User is brought here after clicking the button labelled "register" on the login page.
                - Renders "register.html"
            - "/welcome"
                - User brought here when they press the button labelled "Login"
                - If the user and pass are correct, user is logged in with the session and "welcome.htm" is rendered.
                - If the user or pass is not correct, then the user is sent back to "/" with an error message.
                - User may also be brought here after registering an account. If there are no errors in the user's input, then "welcome.html" is rendered and the user is logged in.
                - If there are issues with the user's input, then they are sent back to "/register" with the appropriate error message.
                - User also brought here after creating and submitting a post. If none of the input is empty and not too long, then "welcome.html" is rendered and the post is added to the database. Else, user is sent back to /createPost with appropriate error messages.
            - "/search"
                - User brought here when they click on the search button on the welcome page.
                - Renders "search.html"
            - "/showall"

- ○ User brought here when they click the "show all blogs" button on the welcome page.
  - ○ Sends a 2D array with all blogs on it to the html file with list of blogs
  - ○ Renders "showall.html"
- ● "/results"
  - ○ User brought here when they click the search button in /search or /showall.
  - ○ Renders "results.html"
  - ○ Calls search function and sends the result to the html file.
- ● "/blog"
  - ○ Brought here when you click on a blog from search or showall page
  - ○ Renders "blog.html"
  - ○ Takes output from retrieveBlog() and puts it into blog.html
- ● "/createPost"
  - ○ Brought here when user clicks "create post" button on the welcome page
  - ○ Renders "createPost.html"
- ● HTML files:
  - ○ login.html
    - ■ Simple login page with 2 text boxes and a submit button which sends you to "/welcome"
    - ■ A submit button labelled "register" which sends you to "/register"
    - ■ Variable which checks for errors and takes in error message from "/" after being sent back with wrong user or pass
  - ○ register.html
    - ■ Registration page with user and password and submit button
    - ■ Sends you to "/welcome" once you are registered where login info is added to the database
  - ○ Welcome.html
    - ■ Displays "welcome to your blog [user]!"
    - ■ List of posts below
    - ■ Showall button on the side which takes user to "/showall"
    - ■ Search button which takes user to "/search"
    - ■ Create post button which takes user to "/createPost"
  - ○ Search.html
    - ■ Displays a search bar with submit button
    - ■ Also has a showall button to /showall and home button to /welcome
  - ○ Showall.html
    - ■ Displays all blogs in a list through a 2D array brought in by /showall.
    - ■ User can click on any blog and be brought to "/blog"
    - ■ Also a back to home button to /welcome

- ○ Results.html
  - ■ Displays all blogs in a list which contain keyword searched through a 2D array brought in by /showall
  - ■ User can click on any blog and be brought to their /blog page by sending in name of the blog to /blog
  - ■ Back to home button and search bar at the top displaying what was searched. User can also search from this page, they will just be sent again to /results
- ○ Blog.html
  - ■ Just displays blog title at the top and then list of posts below
  - ■ Home button on the side
  - ■ Search button
  - ■ Showall button
  - ■ Very similar to welcome.html, possibility for use of a flash template
- ○ CreatePost.html
  - ■ Text box for post title
  - ■ Text box for post content
  - ■ Post button at the bottom
  - ■ Back to home button next to post button