Pidgey - Tudor Ganshaw, Steven Wu, Andrew Tsai
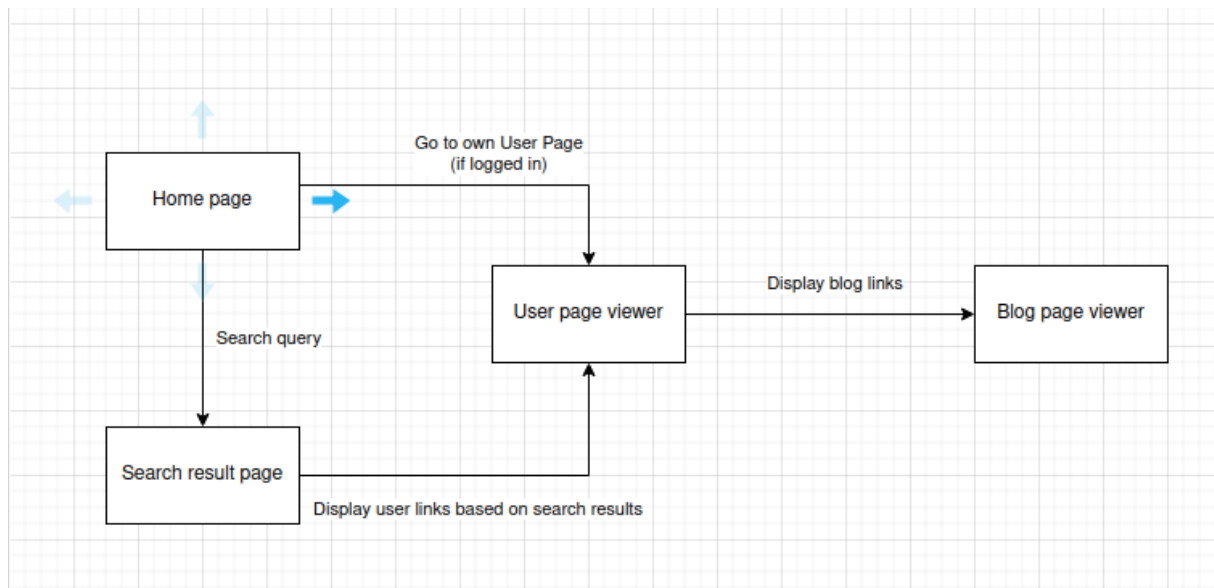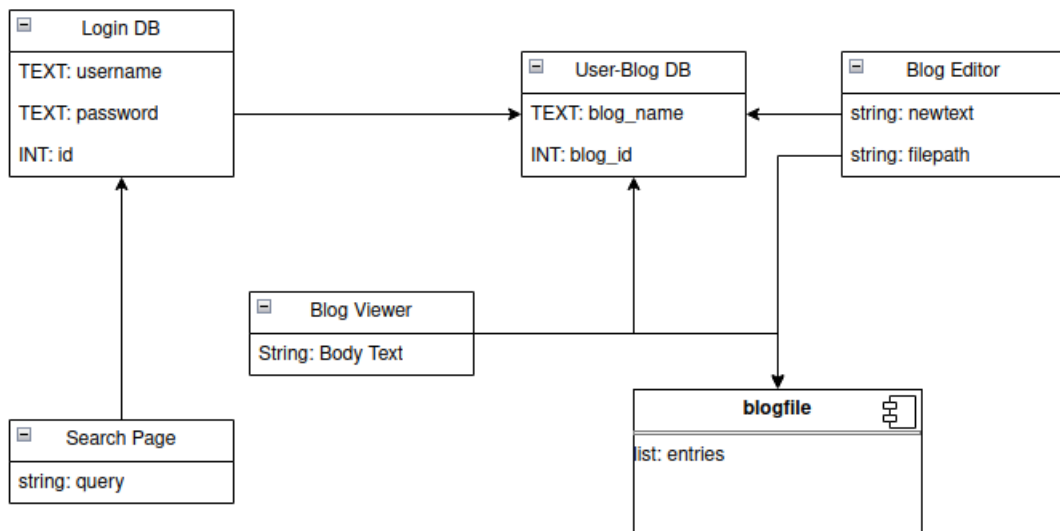
Design Doc—TARGET SHIP DATE: 2025-11-07

Program Components:
- Login Page
  - Login System/Tokens
    - Login Info Database
    - Hashing algorithm to map username to pw
    - Stores id w/ username
  - Register button on login page
- Blog Editor:
  - Form to submit new text for new blog updates
    - Blog itself is a html file with pointers to txt entries
  - Uses Login token to fetch username to check for permission
  - Form to edit blog for existing entries
    - Checks for txt entries, itemized drop down list to select entry editing, fetches data and replaces data
- User Viewer:
  - Uses blog database to select blog updates within same table with unique blog id per user
    - Contains blog id, blog title
  - Separate tables for each user id
  - Change settings button for logged in users on their own page
- Blog Viewer:
  - Contains entries in reverse chronological order
  - Uses Jinja to fetch text data
- Homepage:
  - Contains links to login page, logout button, user page search, Blog viewer page for currently logged in users
- Searchpage:
  - Returns users based off of search terms
  - Links to each user's blog viewer page

Tasks:

- Create login system - Tudor
- Create User Viewer system - Tudor
- Create Blog system - Andrew
- Create overall sitemap infrastructure (homepage, searchpage) - Steven

Login DB

TEXT: username

TEXT: password

INT: id

User-Blog DB

TEXT: blog_name

INT: blog_id

Blog Editor

string: newtext

string: filepath

Blog Viewer

String: Body Text

blogfile

list: entries

Search Page

string: query

Home page

Go to own User Page (if logged in)

Search query

User page viewer

Display blog links

Blog page viewer

Search result page

Display user links based on search results

Database Organizations:

USERS			Blog DB		
TEXT	username	PK	TEXT	blog_name	
TEXT	password		INT	blog_id	PK
INT	id	RK			

*Note: Each user will have their own table upon creating a blog