

Pidgey - Tudor Ganshaw, Steven Wu, Andrew Tsai

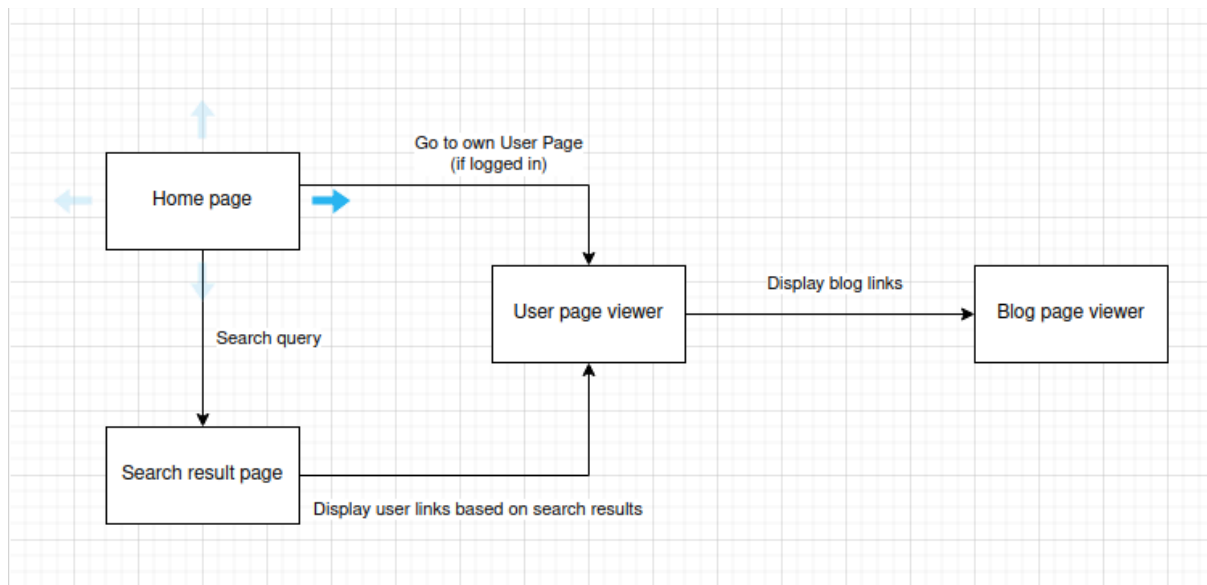
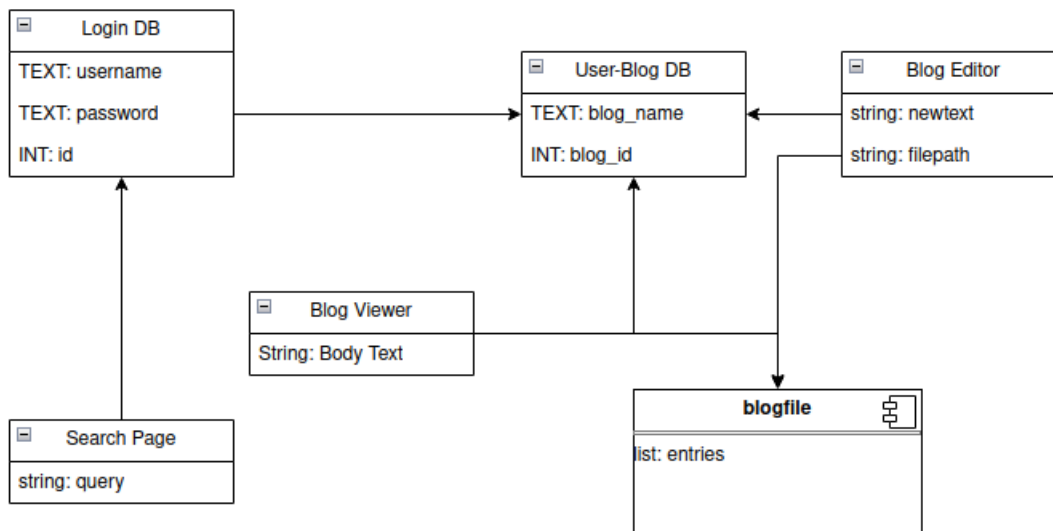
## Design Doc—TARGET SHIP DATE: 2025-11-07

Program Components:

- Login Page
  - Login System/Tokens
    - Login Info Database
    - Stores id w/ username
  - Register button on login page
    - Adds give username and password to database table
    - Each user has a unique id
- Blog Editor:
  - Form to submit new text for new blog updates
    - Blog is a row in a database
    - Each entry is in a separate database, links to blog id
  - Uses Login token to fetch username to check for permission
  - Page to edit blog for existing entries
    - Each entry has a link that shows only to the owner, allows user to edit the entry
- User Viewer:
  - Uses blog database to select blog updates within same table with unique blog id per user
    - Contains blog id, blog title, associated user id, and number of entries
- Blog Viewer:
  - Contains entries in chronological order (earliest entries at the top)
  - Uses Jinja to fetch text data
- Homepage:
  - Contains links to login page, logout button, user page search, blog search page, and user profile
  - Redirects to login page if logged out
- Searchpage:
  - Returns users or blogs based off of search terms
  - Links to each user's profile page

Tasks:

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



Database Organizations:

USERS		
TEXT	username	
TEXT	password	
INT	id	PK

Blog DB		
TEXT	blog_name	
INT	blog_id	PK
INT	user_id	
INT	num_entries	

Entry DB		
INT	blog_id	
TEXT	text	
INT	entry_id	