Riidordie by Team RIID: Dragos Lup, Ian Chen-Adamczyk, Ishita Gupta, Renee Mui
12-18-2020
P0: Da Art of Storytellin' (Pt. 2)
Scenario 2: Blog

Users must register to create an account with a blog. They can customize their blog name and description and also add entries to their blog, edit previous entries, and delete entries. Users can also view and follow other users' blogs. If a user is looking for a specific blog entry, they can also search all entries on the website.

Project Timeline

Requirements (finished date):

- User registration and authentication (12/22)
- Creating and editing blog entries (12/23)
- Editing blogs and viewing other blogs (12/24)

Additional Features (finished date):

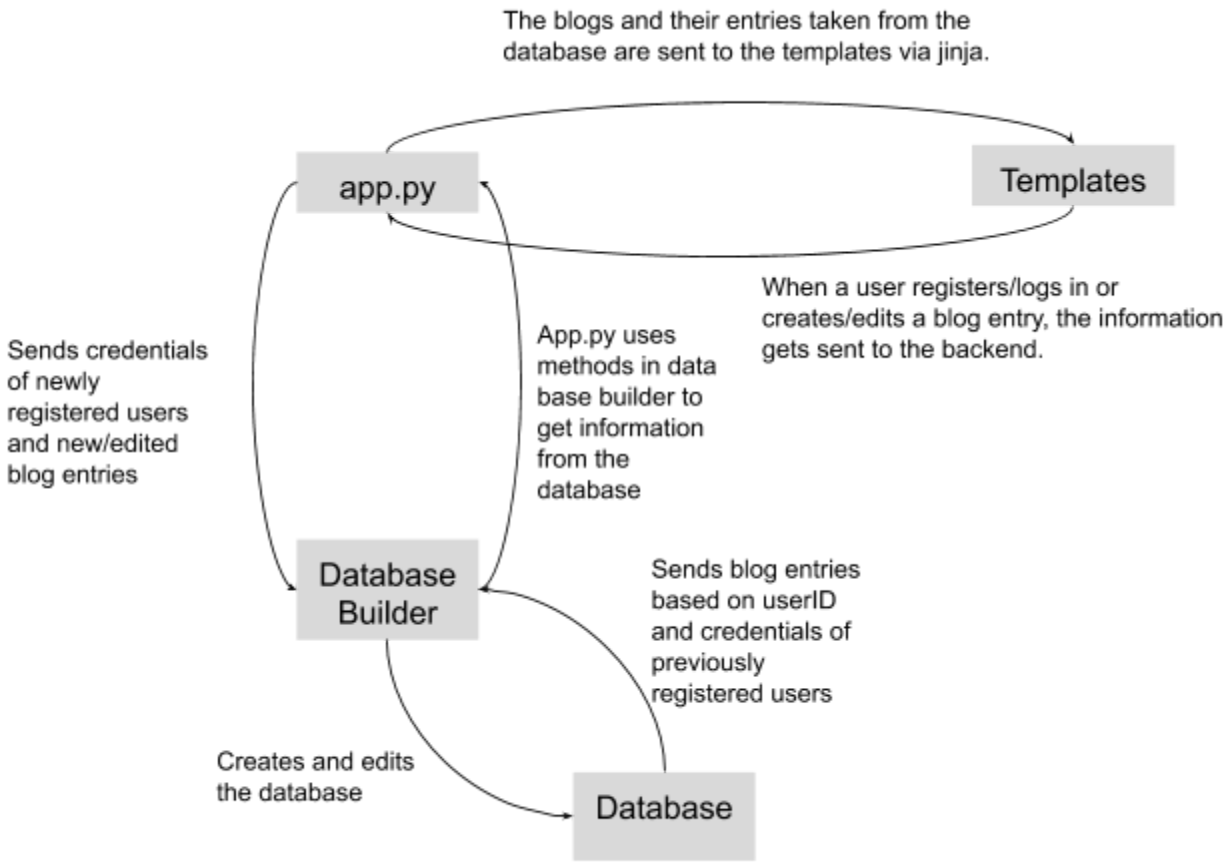
- Search for entries by keyword (1/2)
- Deleting old entries (1/2)
- Following blogs (1/4)
- Adding images to entries (1/4)
- Adding CSS (1/6)

Components

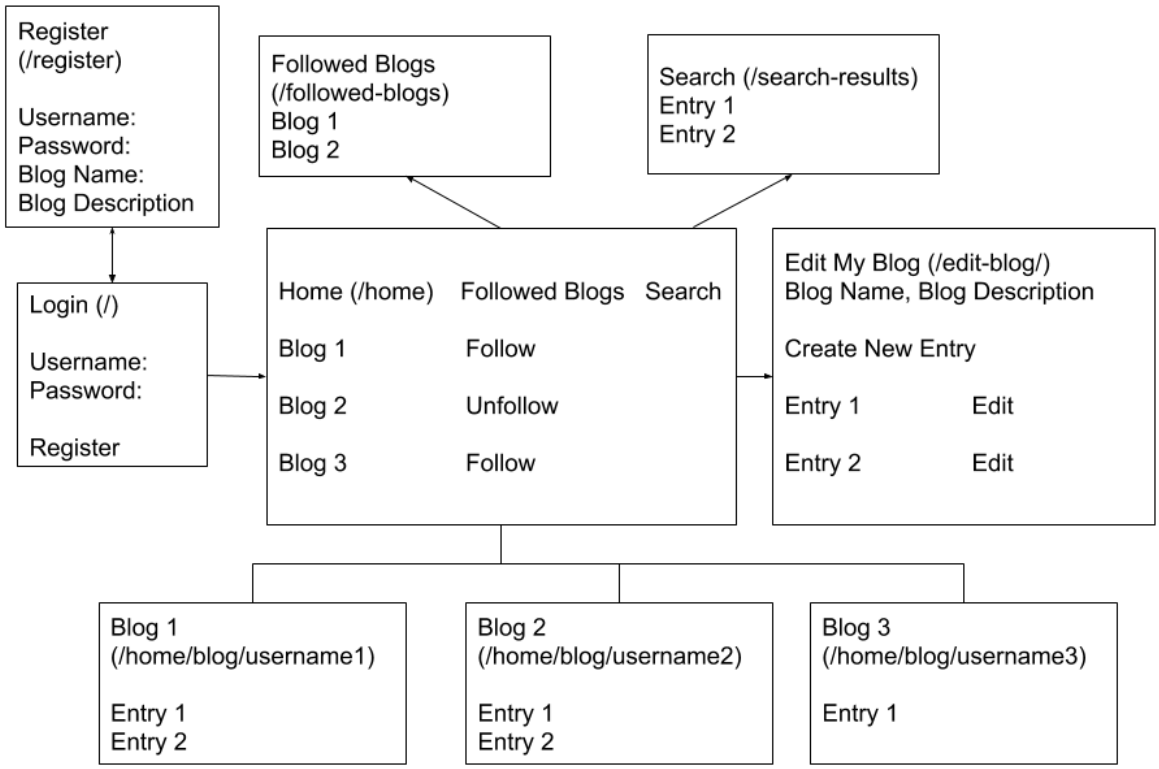
- SQLite Database
    - Three tables, one for usernames/passwords, one for entries, and one for followers The entries are going to be filtered upon based on userID.
- Flask (app/app.py)
    - Serves as the middleman between the database and templates
    - All information being sent/received by either will pass through the application.
- HTML templates
    - header.html: Contains the navbar for the site
    - blog.html: One blog template that received entries from database depending on who is viewing the blog
    - edit-blog.html: Allows the user to edit their blog, and create/edit/delete entries
    - home.html: Lists all existing blogs (by lasted edited date, newest at top)
    - login.html: Logs the user in
    - register.html: Allows the user to create a new account and the blog for that account.
    - search-results.html: Displays the results from a search
    - followed-blogs.html: Displays a table of blogs the user is following

    - 404.html: Displays an error and link to the home page in the case that the user tries to visit a non-existent page.
- CSS (static/styles.css)
    - Contains CSS for all HTML templates to use

Component Visualization Map



Site Map for Frontend



Database Organization

users					
ID	username	password	blogname	blogdescription	time
INTEGER primary key	TEXT	TEXT	TEXT	TEXT	DATETIME

entries					
ID	userID	time	title	post	pic
INTEGER primary key	INTEGER	DATETIME	TEXT	TEXT	TEXT

followers	
userID (user being followed)	followerID (user that is following)
INTEGER	INTEGER

Tasks

- Project Manager, Entries Table: Dragos Lup
- Users Table, Followers Table: Renee Mui
- Flask: Ishita Gupta
- HTML templates: Ian Chen-Adamczyk
- Features:
    - Search Function: Dragos Lup, Ishita Gupta
    - Multiple Pages for Entries: Ian Chen-Adamczyk
    - Images in Entries: Renee Mui, Ian Chen-Adamczyk, Ishita Gupta
    - Following Blogs: Renee Mui, Ishita Gupta
    - CSS: Ian Chen-Adamczyk, Ishita Gupta

Folder Organization

- app/
    - __init__.py
    - app.py
    - data.db
    - db_builder.py
    - static/
        - styles.css
    - templates/
        - 404.html
        - blog.html
        - edit-blog.html
        - follow-blog.html
        - header.html
        - home.html
        - login.html
        - register.html
        - search-results.html
- design.pdf
- design_wiki.pdf

- devlog.txt
- flag.jpg
- README.md
- requirements.txt