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P0: Da Art of Storytellin' (Pt. 2)
Scenario 2: Blog

Users can view other users' blogs. They can also create an account with a blog, and they can add entries to the blog or edit previous entries.

Project Timeline

Finished: (final)
- User registration and authentication (12/22)
- Creating and editing blog entries (12/28)
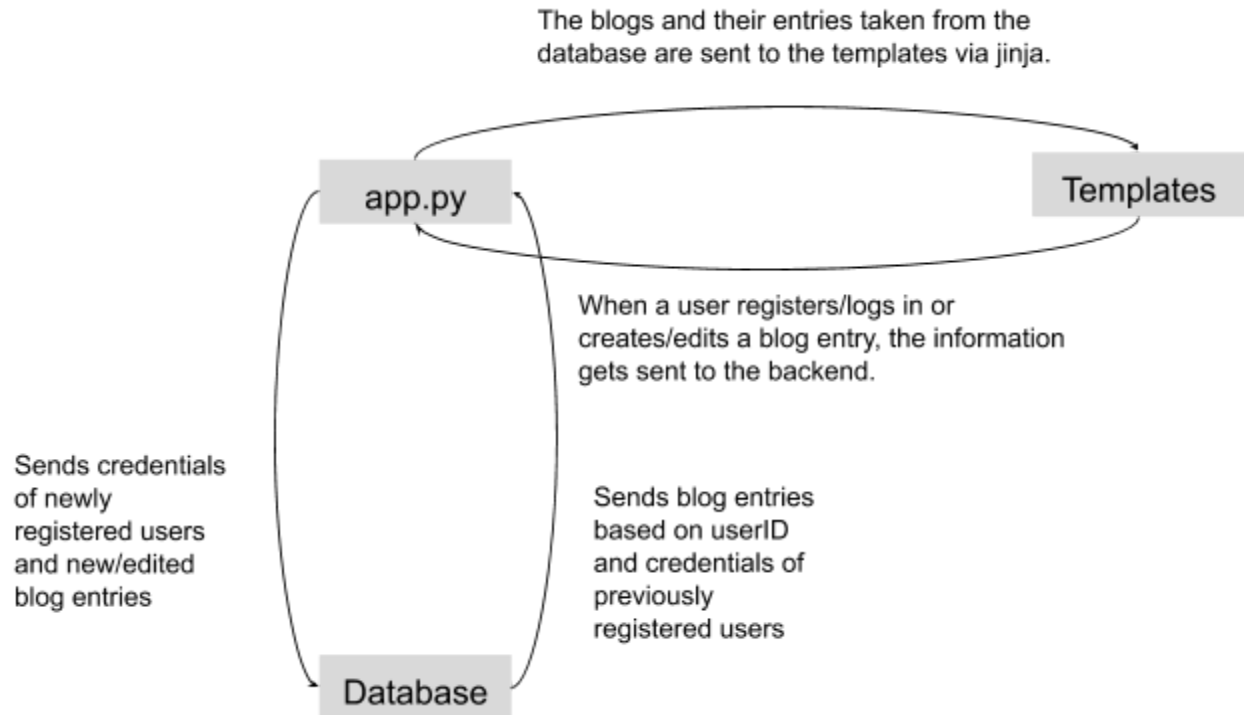- Editing blogs and viewing other blogs (1/2)

Additional Features (1/10):
- Following blogs
- Including images and rich-type text in blog entries
- Commenting on blog entries
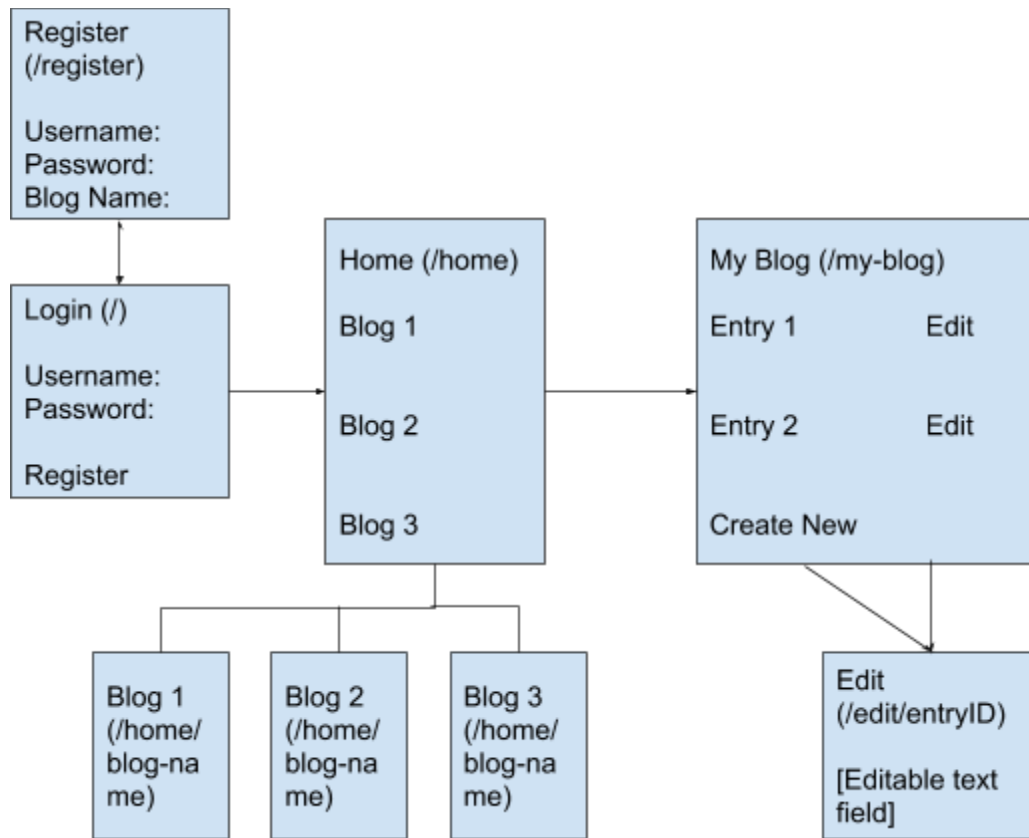- Implementation of CSS and Bootstrap

Components

- SQLite Database
    - Two databases, one for usernames/passwords and the other for entries. The entries are going to be filtered upon based on userID.
- 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
    - 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 entries using the edit-entry.html form.
    - edit-entry.html: Allows users to create new entries/edit existing entries
    - home.html: Lists all existing blogs
    - login.html: Logs the user in
    - register.html: Allows the user to create a new account and the blog for that account.

Component Visualization Map

The blogs and their entries taken from the database are sent to the templates via jinja.

app.py

Templates

When a user registers/logs in or creates/edits a blog entry, the information gets sent to the backend.

Sends credentials of newly registered users and new/edited blog entries

Sends blog entries based on userID and credentials of previously registered users

Database

Site Map for Frontend

Database Organization

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

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

Tasks

- Project Manager: Dragos Lup
- Database: Renee Mui
- app.py: Ishita Gupta
- HTML templates: Ian Chen-Adamczyk

Folder Organization

- app/
  - __init__.py
  - static/
    - css/
  - templates/
    - register.html
    - login.html
    - home.html
    - blog.html
    - edit-blog.html
    - edit-entry.html
- design.pdf
- devlog.txt
- flag.jpg
- README.md
- requirements.txt