Geodes
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DESIGN DOCUMENT

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App Overview:

Our app will be a blog site that allows users to create and log into accounts. They will then be able to create their own blog page to add entries to. Logged in users can also view other users' pages. Each blog page will display the author, the timestamp of publish, and the blog post itself. The homepage will display the most recent, trending blogs.

Stuff We Need:

[AUTHOR: Alvin (python/html), Alex (python/SQL)] __init__.py

- Information:
  - Links to Sqlite3 databases (creates db files)
  - Current user
  - List of links to all blogs and ability to retrieve their HTMLs
- Functions:
  - **setup_database()**: Creates both database and their files with Sqlite3
  - **blog()**: Fetches posts from posts table then renders its template
  - **disp_homepage()**: Fetches 5 most recent posts and renders homepage
  - **disp_login()**: Retrieves password and checks if it's the same as the one with the user in the db.
  - **set_user()**: Checks if username is taken already, if not it adds it to the db.
  - **disp_logout()**: Removes username from the session and renders logout.html
  - **creating()**: Displays createpost.html, and takes in form submission info, adds the post to the posts table and the corresponding post information.
  - **disp_profile()**: renders profile
  - **edit_post(post_id)**: renders editblog.html and updates post title and post text
  - **delete_post(post_id)**: if the user is logged in and is the owner of the post, it is deleted and they are redirected to the profile.

[AUTHOR: Sophia/Alex] homepage.html

Displays:

- Username (if logged in)
- App title
- Team name/roster
- Trending Blogs

Links to:

- blog.html pages
- profile.html
- Login.html
- logout.html

[AUTHOR: Shafin/Alex] blog.html

Displays:

- Blog author
- Blog title
- All posts and relevant post information chronologically (timestamp)

Links to:

- editblog.html (if logged in and account owns page)
- profile.html (profile of the user who owns the blog)
- homepage.html

[AUTHOR: Shafin/Alex] editblog.html

Takes input:

- Blog title (updates posts database)
- Post title (updates posts database)
- Post text (updates posts database)

Links to:

- profile.html (if edit canceled)
- blog.html (if edit successfully)

[AUTHOR: Alex] createpost.html

Takes input:

- Blog title (updates posts database)
- Post title (updates posts database)
- Post text (updates posts database)

Links to:

- profile.html (if edit canceled)

blog.html (if edit successfully)

[AUTHOR: Alvin/Alex] login.html

Takes input:

Username/Password (sets current user)

Links to:

homepage.html

createaccount.html

[AUTHOR: Shafin/Alex] logout.html

Displays:

You have logged out text

Links to:

homepage.html

[AUTHOR: Sophia C/Alex] createaccount.html

Takes input:

Username/Password (updates users database)

Links to:

homepage.html (if cancel creation)

login.html (if account created)

[AUTHOR: Sophia C/Alex] profile.html

Displays:

Username

User ' s blogs and buttons to edit or delete

Links to:

homepage.html

blog.html (if the blog has been created, otherwise no link)

editblog.html (if creating first post)

DATABASES

DB:

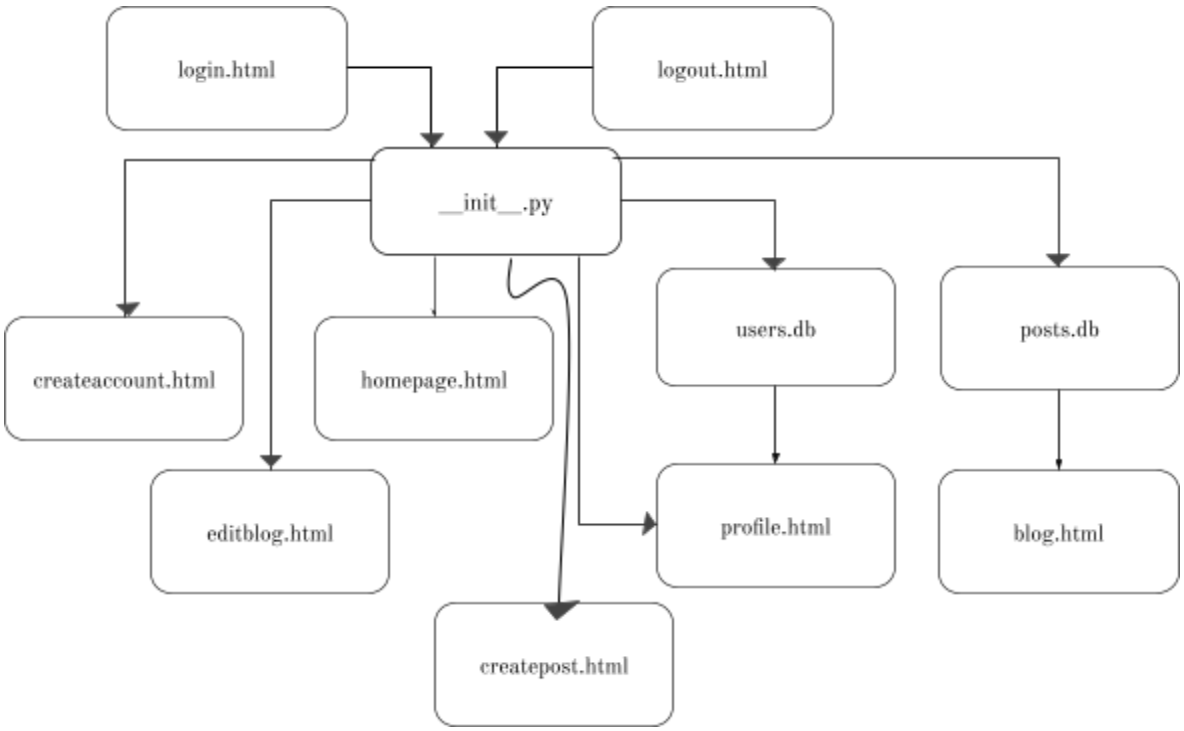
users

String username
String password
String blog_title
String session_key
String login_token PK

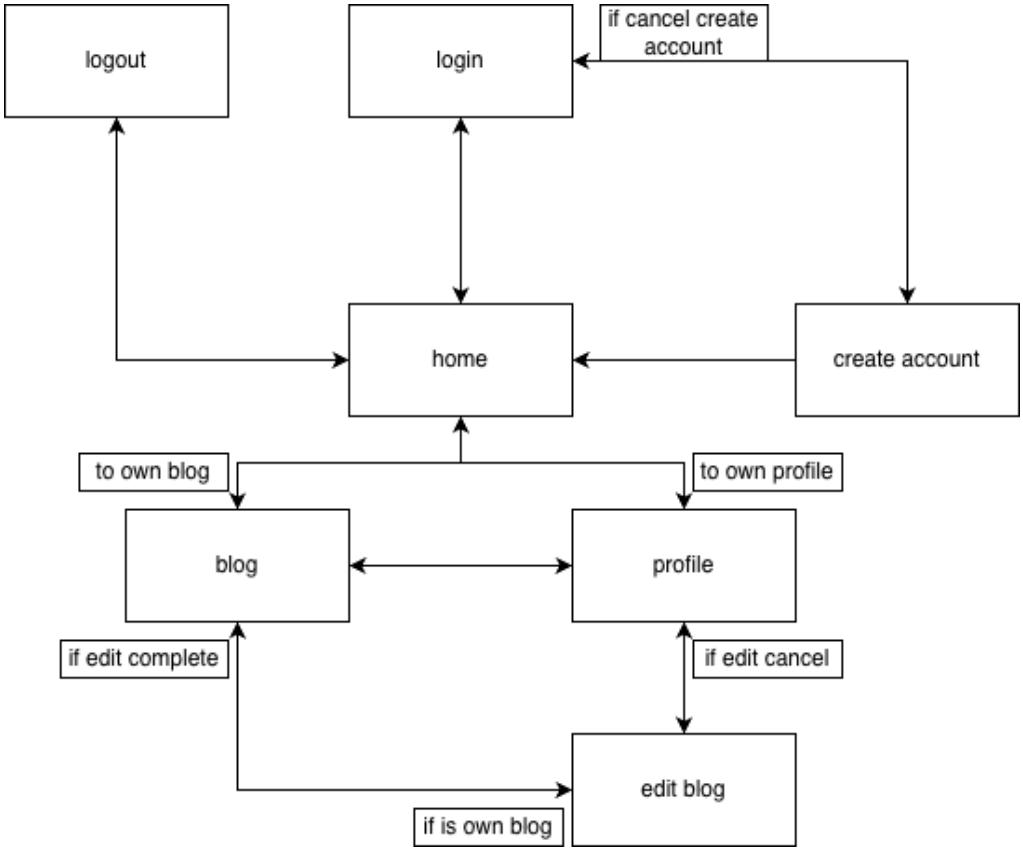
posts

Integer PK post_id
String owner
String post_title
String post_text
String timestamp

Component Map:



Site Map:


logout
login
if cancel create account
home
create account
to own blog
to own profile
blog
profile
if edit complete
if edit cancel
edit blog
if is own blog