

**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 view posts made by other users. Recent posts will be displayed on the home page. All posts can be accessed on a separate page. Posts may be edited or deleted by their author.

### **Stuff We Need:**

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

Information:

Links to Sqlite3 databases (creates and populates db files)

Current user

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 page, displaying current user's blog posts.

**`edit_post(post_id)`:** renders editblog.html and allows updates to 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:

- App title
- Team name
- 5 most recent blog posts

Links to:

- homepage.html
- blog.html
- createpost.html (if logged in)
- profile.html (if logged in)
- logout.html (if logged in)
- Login.html (if not logged in)
- createaccount.html (if not logged in)

**[AUTHOR: Shafin/Alex] blog.html**

Displays:

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

Links to:

- homepage.html
- blog.html
- createpost.html (if logged in)
- profile.html (if logged in)
- logout.html (if logged in)
- Login.html (if not logged in)
- createaccount.html (if not logged in)

**[AUTHOR: Shafin/Alex] editblog.html**

Takes input:

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

Links to:

- homepage.html
- blog.html
- profile.html (if edit canceled)
- logout.html

**[AUTHOR: Alex] createpost.html**

Takes input:

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

Links to:

homepage.html  
blog.html  
profile.html  
logout.html

**[AUTHOR: Shafin/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  
login.html

**[AUTHOR: Sophia C/Alex] profile.html**

Displays:

Username  
User's posts and buttons to edit or delete

Links to:

homepage.html  
blog.html  
editblog.html (edits post on which they clicked the link)

## DATABASES

blog.db:

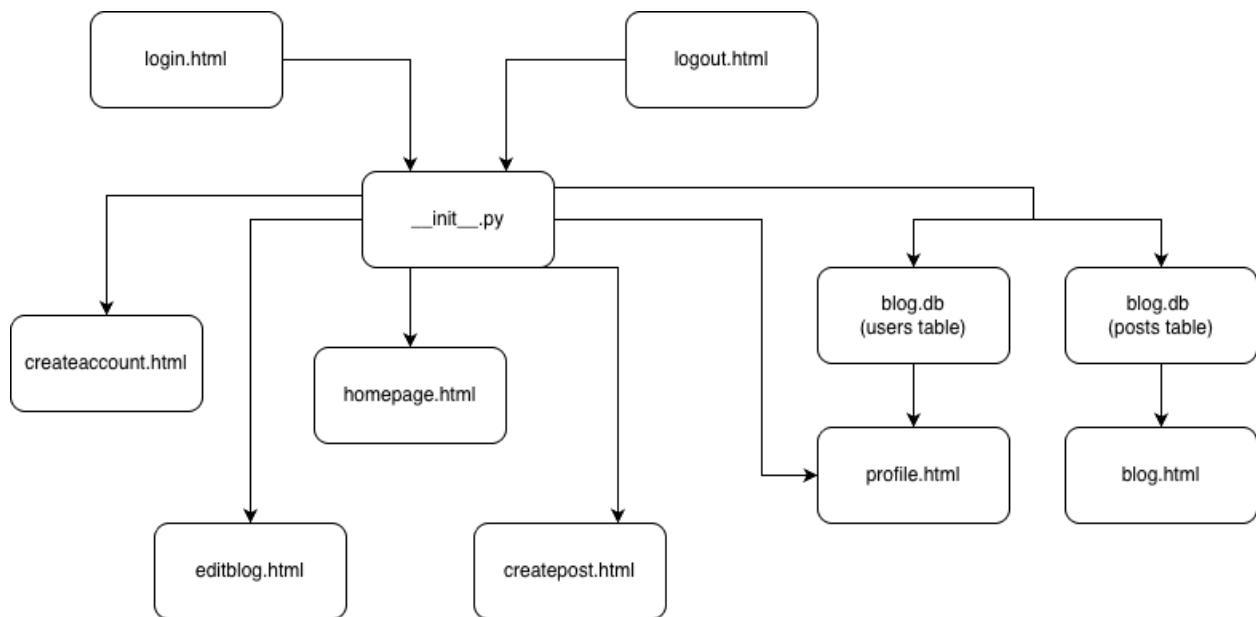
users

TEXT PK username
TEXT password
TEXT blog_title
TEXT session_key
TEXT login_token

posts

INTEGER PK post_id
TEXT owner
TEXT post_title
TEXT post_text
TEXT timestamp

### Component Map:



### Site Map:

