

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:

- `createDatabase()`: Creates both databases and their files with Sqlite3

- `addUserPair(String user, String pw)`: Adds user and password to database table when account is created

- `getCurrentUser()`: Checks if logged in and returns username

- `getUserInfo(String user)`: Returns information about user for profile page

- `addBlog(String linkToBlog)`: Adds blog edited to database when user edits/creates a wiki page

[AUTHOR: Alvin] `homepage.html`

Displays:

- Username (if logged in)

- App title

- Team name/roster

Links to:

trending blog.html pages
profile.html
login.html
logout.html

[AUTHOR: Shafin] blog.html

Displays:

Blog author
Blog title
All posts and relevant post information chronologically
(maybe 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] 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: Alvin] login.html

Takes input:

Username/Password (sets current user)

Links to:

homepage.html
createaccount.html

[AUTHOR: Shafin] logout.html

Displays:

You have logged out text

Links to:

homepage.html

[AUTHOR: Sophia C] createaccount.html

Takes input:

Username/Password (updates users database)

Links to:

homepage.html (if cancel creation)

login.html (if account created)

[AUTHOR: Sophia C] profile.html

Displays:

Username

Link to user 's blog

Takes input:

Username/Password (to change info; updates users database)

Links to:

homepage.html

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

editblog.html (if creating first post)

DATABASES

DB for users:

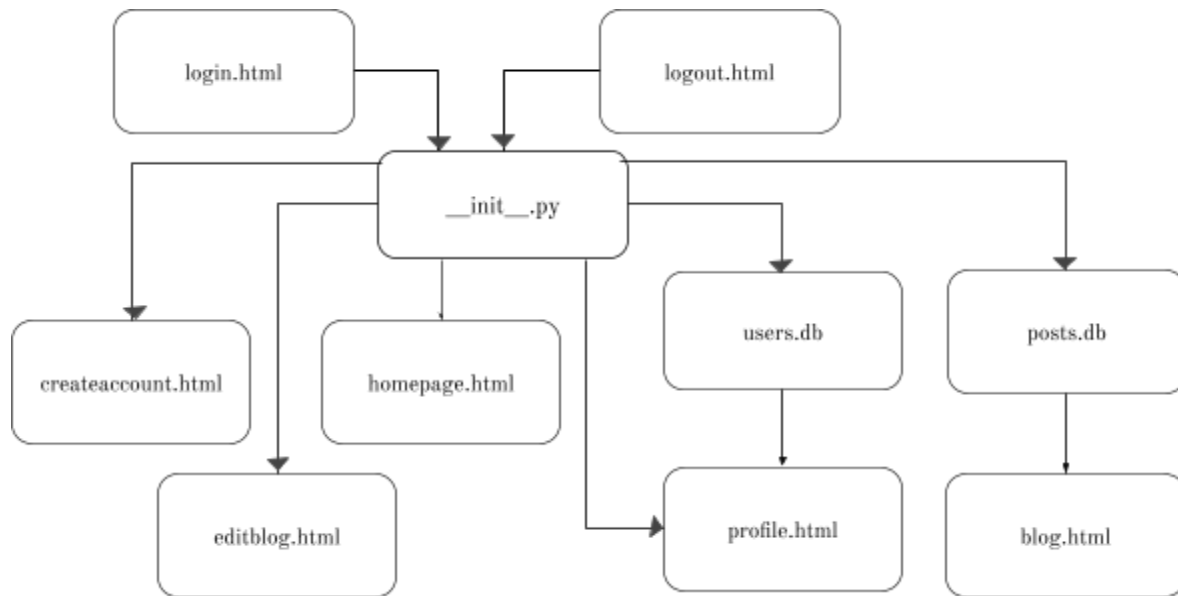
String username
String password
String blog_title
String session_key
String login_token PK

Session key stores client side cookie for a user-specific token to keep users logged in by searching the user dictionary for correct information.

DB for Posts:

String username_of_owner
String post_title
String post_text
String timestamp

Component Map:



Site Map:

