Geodes

Alvin Sze, Shafin Kazi, Alexandru Cimpoiesu, Sophia Chi

DESIGN DOCUMENT

TARGET SHIP DATE: 2025-11-3

Stuff We Need:

[AUTHOR: TBD] app.py

Information:

Links to Sqlite3 database (creates db file)

Current user

List of links to all wikis and ability to use their HTMLs

Functions:

createDatabase(): Creates database and its file with Sqlite3

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

setCurrentUser(String user, String pw): If password is correct for the user, sets current user

getCurrentUser(): Checks if logged in

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

addPageEdited(String linkToWiki): Adds page edited to database when user edits/creates a wiki page

[AUTHOR: TBD] homepage.html

Displays:

Team name

Team roster

App title

Links to:

login.html

managewikis.html (if logged in)

Every wiki.html

profile.html (if logged in)

[AUTHOR: TBD] wiki.html

    Displays:

        Wiki title

        Wiki creator

        Last wiki editor

        Inputted information

    Links to:

        editwiki.html (if logged in)

        homepage.html

[AUTHOR: TBD] editwiki.html

    Displays:

        Input field for:

            Wiki title

            Wiki Information

        Updates creator/last editor

        If new wiki page, updates database

    Links to:

        wiki.html (the one just edited)

[AUTHOR: TBD] managewikis.html

    Displays:

        List of wikis and their author/last editor(but not linked)

    Links to:

        editwiki.html (of any created wiki or a new wiki page)

        homepage.html

[AUTHOR: TBD] login.html

    Displays:

        Input field for:

            User/Pw

    Links to:

        createaccount.html

        homepage.html

[AUTHOR: TBD] createaccount.html

    Displays:

        Input field for:

            User/Pw/Pw confirmation (updates database)

    Links to:

        login.html

[AUTHOR: TBD] profile.html

    Displays:

        User

        Pages edited

        Input field for:

            User/Pw/Pw confirmation (updates database to change info)

    Links to:
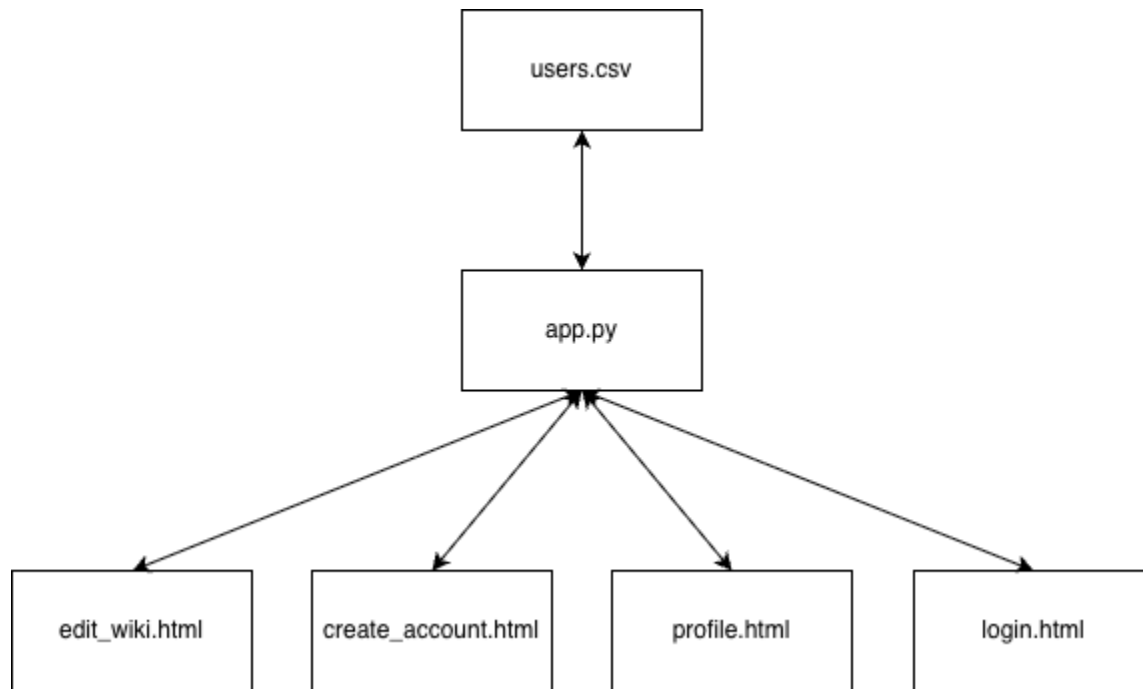
        homepage.html

        login.html (if not logged in)

        wiki.html (ones that have previously been edited)

DATABASES

DB for users:

String username PK
String password PK
[] links_to_pages_contributed_to

Component Map:

```
                        ┌──────────────┐
                        │   users.csv  │
                        └──────────────┘
                                ↕
                        ┌──────────────┐
                        │    app.py    │
                        └──────────────┘
               ┌────────────┬─────┴─────┬────────────┐
               ↓            ↓           ↓            ↓
      ┌──────────────┐ ┌──────────────────┐ ┌──────────────┐ ┌──────────────┐
      │ edit_wiki.html│ │create_account.html│ │ profile.html │ │  login.html  │
      └──────────────┘ └──────────────────┘ └──────────────┘ └──────────────┘
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Site Map:

```
                          ┌──────────────┐
                          │  home page   │
                          └──────────────┘
              ┌─────────────┬────┴────┬──────────────┐
              ↓             ↓         ↓              ↓
      ┌──────────────┐ ┌─────────┐ ┌─────────┐ ┌─────────┐
      │ manage wikis │ │  wiki   │←│ profile │→│  login  │
      └──────────────┘ └─────────┘ └─────────┘ └─────────┘
              ↕            ↕                        ↕
              └─────┐  ┌───┘                  ┌──────────────┐
                 ┌──────────┐                 │create account│
                 │ edit wiki│                 └──────────────┘
                 └──────────┘
```